

**RCRA FACILITY INVESTIGATION (RFI)
PHASE III WORK PLAN
SAFETY-KLEEN (WICHITA) FACILITY
WICHITA, KANSAS**

PREPARED BY:



CAMERON-COLE

5777 CENTRAL AVENUE, SUITE 100
BOULDER, COLORADO 80301

FEBUARY 14, 2002

RCRA



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1. INTRODUCTION

This Phase III Work Plan is being submitted in response to discussions between Safety-Kleen (Wichita), Inc. (SK), Cameron-Cole, LLC, the United States Environmental Protection Agency (USEPA), and the Kansas Department of Health and Environment (KDHE). In a teleconference on January 9, 2002 and as confirmed in our letter dated January 10, 2002, these parties agreed that additional fieldwork is required before the Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) for the SK Wichita facility (Figure 1) can be completed. Therefore, this work plan presents the proposed scope of work for a Phase III program of work to be performed as part of the RFI. The work plan was prepared by Cameron-Cole on behalf of Safety-Kleen and is based upon the findings of previous site investigations that have taken place since November 1999.

The Phase III program is a follow-up to work initiated with the revised Phase I RFI Work Plan dated October 14, 1999 and three supplemental stages of field work, which comprise the first two phases of the RFI. The Phase I Work Plan provides a complete description of investigation methodologies, standard operating procedures, and a revised quality assurance plan for the overall RFI. The Phase I Work Plan proposed a direct-push (or GeoProbe[®]) program of soil and groundwater sampling that was implemented at the site in Fall 1999. Figure 2 provides a site layout showing the initial Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs). These areas were the primary basis of the Phase I RFI sampling plan. Due to the close proximity of many of these locations, the SWMUs and AOCs were grouped together to facilitate an efficient sampling program. An initial addendum to the RFI Work Plan, dated April 4, 2000, presented a brief review of the subsurface findings of the Phase I work and presented a plan for installing a groundwater monitoring well network at the facility. The well installation and sampling was completed in October 2000. These initial field investigations have indicated impacts to soil and groundwater at the site of primarily volatile organic compounds (VOCs) and limited amounts of inorganic constituents. Appendix A provides the key tables and figures summarizing the data from the first phase of the RFI, which were also summarized in the Revised Phase II RFI Work Plan.

A second addendum to the Phase I work, comprised of letters dated February 16 and March 30, 2001, proposed that an additional round of samples be collected from on-site and upgradient monitoring wells, and surface water samples be collected in the East Fork of Chisolm Creek. This work was completed in April 2001, with the exception of the installation of the off-site, upgradient monitoring wells that have been delayed due to access negotiations with Union Pacific Railroad. The analytical results were submitted KDHE and the USEPA in a May 24, 2001 letter. SK is still working on obtaining access to Union Pacific Railroad's (UPRR's) property for installation of the upgradient wells. SK is hopeful that an acceptable access agreement will be granted by UPRR prior to or during the implementation of the

Phase III field effort. The locations of the four proposed upgradient wells were identified in e-mail correspondence with the agencies on April 24, 2001. They are described in the RFI Phase II Work Plan and can be found in the figures provided in Appendix A of this work plan.

The Phase II RFI Work Plan (dated August 31, 2001 and modified by a letter dated October 15, 2001) was implemented in November 2001 and included surface water sampling, along with subsurface soil and groundwater sampling. The findings of that field effort are presented within this work plan and provide the basis of the proposed of work.

2. SOIL INVESTIGATION

2.1. EXISTING DATA REVIEW

As part of the initial field investigation identified in the Phase I RFI Work Plan, 44 soil borings were advanced with a GeoProbe® (i.e. direct-push method), logged and sampled at the SKW facility in November 1999. The borings were placed according to the locations of SWMUs and AOCs on the site, and other areas identified as potential areas for impacts based on historical information available for the site. The scope of this investigation is described in the Phase I Work Plan. Soil samples from each boring were analyzed to assess whether historical activities impacted the site subsurface media.

The following areas of concern were identified for further assessment based on the results of the Phase I work: (1) south of Building C near the loading ramp; (2) south of the processing area; (3) south of the former paint can burial pit; (4) east of Buildings J and K; and, (5) between Buildings I and J along the rail spur.

In the Phase II RFI, soil samples were collected and analyzed in these five areas for both metals and VOCs. Thirty-four (34) soil samples were analyzed for RCRA metals (arsenic, barium, cadmium, lead, mercury, selenium and silver). The results of these analyses are provided in Table 1, and the analytical laboratory reports are provided in Appendix B. Of the samples collected in November 2001, only one sample had a lead concentration above 1,000 milligrams per kilograms (mg/kg): B-63 at 0.5 feet (1,020 mg/kg). Only two soil samples had significantly elevated lead concentrations in the Phase I RFI conducted in November 1999: B-16 at 3 feet (1,560 mg/kg) and B-40 at 4 inches (7,800 mg/kg). The other concentrations of RCRA metals observed are not believed to be unusually elevated for an industrial area, and are not believed to pose a significant threat to human health or the environment.

Fifty-five (55) soil samples (excluding duplicate samples) were collected and analyzed for VOCs by USEPA SW846 Method 8260. Table 2 lists all the VOC compounds tested for in this gas chromatograph/mass spectrometer (GC/MS) scan. Only those constituents identified above the detection limit in at least one sample are listed in Table 3 with the concentrations reported. Most of the detections consisted of chlorinated VOCs such as tetrachloroethene (PCE), trichloroethene (TCE), and cis-1,2-dichloroethene (cis-DCE). The highest VOC detection was PCE reported at 28,000 µg/kg in sample B-46 at 2 feet below ground surface (bgs). Additionally, concentrations of PCE were detected in sample B-76 at 4 feet (610 µg/kg) and 16 feet (5,800 µg/kg). PCE was also observed at higher

concentrations in the northeastern corner of the site in B-70 at 8 feet (580 µg/kg), and B-63 at 11 feet (11,000 µg/kg). Other concentrations of VOCs were observed across the site and can be reviewed in Table 3 and are shown on Figure 3. The VOCs detected were primarily within the areas previously identified as potential source areas.

A GC/MS scan for semi-volatile compounds was conducted on eight soil samples (excluding duplicate results) by USEPA Method 8270C. The results are summarized on Figure 3 and in Table 4. Only bis 2-ethylhexyl phthalate (DEHP) was observed in sample B-68 at 16 feet (630 µg/kg). DEHP was also observed in the Phase I RFI in this vicinity of the site in B-19 at 3 feet (9,400 µg/kg), and B-18 at 3 feet (1,000 µg/kg). Dimethyl phthalate was also observed in the Phase I RFI in sample B-19 at 3 feet (8,400 µg/kg). The area impacted by the phthalates appears to be limited in extent, occurs well below the ground surface, and concentrations are below levels that are considered harmful to human health or the environment.

2.2. SCOPE OF WORK

The following describes a proposed scope of work related to subsurface soil impacts at the SK Wichita facility. The proposed sampling points referenced below are shown on Figure 4. The Phase III RFI scope of work for soil is as follows:

- The extent of the adsorbed PCE south of the loading dock warrants further investigation to assess the lateral extent (refer to samples from B-45, B-46 and B-47) of the adsorbed plume. Three additional borings will be advanced (B-98, B-99 and B-100), and two soil samples per boring will be collected from the vadose zone and analyzed for VOCs by USEPA Method 8260B. The primary objective of this task is to assess the extent of the PCE adsorbed plume. At this time, we anticipate that these samples will be analyzed in a short turn around time to assess whether up to three additional borings will be warranted in the general area. If the concentrations of the soil samples collected are below 25 µg/L PCE, then the area will be considered to be adequately assessed, and no contingency borings are warranted.
- The area south and downgradient of B-76, which lies adjacent to the southern property boundary, also warrants further investigation. This work will require access from El Paso, who currently owns the former Coastal-Derby refinery. Cameron-Cole has initiated communications with El Paso in the hope of gaining access for any necessary sampling or Phase III RFI activities. Once the scope of work is finalized, the formal request for access will be made in writing to El Paso. Cameron-Cole proposes to advance three initial borings (B-87, B-88, and B-89). Two unsaturated soil samples will be collected from each boring and analyzed for VOCs by USEPA Method 8260B.

The primary objective of this task is to assess the extent of PCE impacts in the vadose zone. These samples will be analyzed on a quick turn around time to assess whether contingency borings are warranted. Three contingency borings (B-101, B-102, and B-103) will be advanced, if needed, to assess the extent of PCE impacts in the soil and groundwater. Concentrations of PCE less than 25 µg/kg in the soil will be considered adequate for an estimate of the lateral extent.

- Three borings will be advanced outside of the eastern fenceline, west of New York Street (B-93, B-94 and B-95) to assess the lateral extent of VOC impacts in the shallow fill in the northeastern corner of the site.
- One boring (B-96) will be placed southeast of the loading dock of Building J. The purpose of this boring location is to assess the possible source area for the VOCs observed in the groundwater sample B-79 in November 2002.
- One boring will be placed east of Building A (B-97) to assess the presence of VOCs in soil and groundwater in this area of the site and to address KDHE concerns.
- SK proposes to collect up to 15 soil samples to establish background concentrations for lead and arsenic for on-site and near-site soils. Since a small number of samples exceeded the Kansas Soil to Groundwater values identified for lead and arsenic, Cameron-Cole proposes to add dissolved lead and arsenic to the groundwater sampling program (Section 4.2.3). The background samples will be collected in the upper 4 inches of soil using either a clean sampling trowel or shovel. The decontamination procedures will follow those outlined in the Phase I Work Plan for other types of sampling devices. Approximately five to eight of the background samples will be collected east of New York Street, between Chisolm Creek and the roadway. Additional samples will either be collected along the property perimeter, on adjacent properties (depending on access), and/or the east side of Chisolm Creek. The final locations will be decided in the field with input from the agencies, if present.

This work will be conducted using GeoProbe® equipment and methods consistent with those previously used on site. Many of these borings will be advanced to the groundwater table for collection of water samples as described in Section 4.2.1. Each of the borings will be continuously sampled and logged in accordance with the Unified Soil Classification System. Table 5 lists each of the proposed boring locations, sampling depths and analytical parameters, and indicates which borings will also be utilized for collection of groundwater samples. All soil boring and sampling procedures will follow those described in Section 5 and Appendix G of the SKW Phase I RFI Work Plan dated October 19, 1999.

3. SURFACE WATER INVESTIGATION

3.1. EXISTING DATA REVIEW

Five surface water samples were collected from the East Fork of Chisolm Creek in April 2001 and November 2001 (Figure 5). Chisolm Creek flows from north to south and is located just east of the facility. The five surface water samples were collected to assess whether groundwater impacts at the SKW facility may affect surface water quality in Chisolm Creek. The results of the recent surface water sampling event are summarized in Table 6.

The East Fork of Chisolm Creek is concrete lined in places, but the length of creek that was sampled near the facility was unlined. The sample that was collected furthest upstream of SKW facility, and hydraulically upgradient with respect to the direction of groundwater flow (SK-SW-5), had no detections in November 2001. However, in April 2001, SK-SW-5 had the highest concentration of TCE at 4.7 micrograms per liter ($\mu\text{g/L}$).

During November 2001, the sample collected at SK-SW-4 also had no detections. Very low concentrations of chlorinated VOCs were reported in samples SK-SW-3 and SK-SW-1. Sample SK-SW-2 had seven VOC detections ranging from 1.1 $\mu\text{g/L}$ to 23 $\mu\text{g/L}$.

The two sets of sampling results vary considerably. The results from April 2001 suggest an upstream TCE source area. The November 2001 analytical results do not suggest an upstream TCE source. Additionally, data were collected in November 2001 to assess the relationship of the groundwater below the site with Chisolm Creek. The interpreted potentiometric map, including surveyed surface water elevations, is provided in Figure 6. The data suggest that the groundwater that flows beneath the SK facility is in hydraulic contact with the creek and therefore, may discharge potentially impacted groundwater to the surface water body at given times throughout the year. This hydraulic data, combined with the surface water sampling results suggest that impacted groundwater is likely flowing into Chisolm Creek east of the SK facility.

3.2. SCOPE OF WORK

At least two additional surface water sampling events will be conducted in locations as close to the original five sampling points as possible. The initial event will be conducted during the drilling program. The second event will be conducted at least one month after completion of the drilling program, but prior to completion of the RFI. The samples will be analyzed for VOCs using USEPA Method 8260B. The surface water elevations will be measured during each sampling event at sampling points SK-SW-2, 3 and 4 to provide ongoing stream elevation data.

4. GROUNDWATER INVESTIGATION

4.1. EXISTING DATA REVIEW

4.1.1. SITE GEOLOGY AND GROUNDWATER FLOW

A total of thirteen on-site monitoring wells are located on the SKW facility (Figure 2). Geologic information collected during the installation of the wells indicates that the site is underlain by 10 to 17 feet of gravelly clay, underlain by eight to 18 feet of sand. Below the sand lies a clay layer, approximately two to six feet thick, which pinches out in the southwestern corner of the site. The clay is generally underlain by another eight to nine feet of sand, and one to nine feet of weathered bedrock. In the southwestern corner of the site where the clay lens is not present, the gravelly clay extends to approximately six feet bgs, and the underlying sand unit is approximately 19 feet thick. Bedrock beneath the site is the Wellington Shale, which is encountered at depths ranging from 35 to 43 feet bgs. The water table occurs at about 13 to 17 feet bgs.

Of the 13 on-site monitoring wells, six are shallow wells (SK-1S through SK-6S) screened across the water table and extending into approximately the upper seven feet of the aquifer. Wells HRI-03 and RSCI-1 are fully penetrating wells that were installed prior to the RFI work. The five deep wells (SK-1D, SK-2D, SK-3D, SK-4D and SK-5D) are screened over approximately the lower five feet of the unconsolidated aquifer, just above the Wellington Shale. Well pairs SK-3S/D, SK-4S/D and SK-5S/D were positioned in locations near or downgradient of areas believed to be potential source areas of historic groundwater impacts. In addition, the SK-3S/D well pair replaced an older well, HRI-02, which was abandoned due to the nature of its construction. The well pairs SK-1S/D and SK-2S/D and a single shallow well (SK-4S) were installed in downgradient locations to monitor the groundwater quality migrating off-site. The shallow well (SK-6S) was positioned to help evaluate potential impacts from historical site activities in the northeastern portion of the site. Survey coordinates and elevations for the existing wells are listed in Table 7, along with the gauging data. Well logs are included in Appendix C.

Two additional shallow wells (SK-10S and SK-11S) were installed east and downgradient of the site, between the facility and Chisolm Creek (Figure 6). These wells were added to the monitoring well sampling and gauging activities in November 2001.

Water levels were measured in the on-site wells, the two downgradient offsite wells, and four UPRR wells (MW-10, MW-11, MW-14, and WND-32) within a 24-hour period on November 11 and 12, 2001. The shallow water level data (excluding the fully penetrating wells) were used to produce the contoured groundwater elevation map presented on Figure 6. The groundwater flow direction across the site is to the southeast with a gradient of about 0.0025 ft/ft. The groundwater elevation, flow direction and gradient are consistent with the more regional potentiometric surface map produced by Camp Dresser & McKee (CDM) in March 2001 (CDM 2001) as part of the North Industrial Corridor (NIC) investigation, and previous maps generated from data collected on the SK facility.

4.1.2. SITE GROUNDWATER QUALITY CONDITIONS

Groundwater samples were recently collected and analyzed from the on-site monitoring wells and selected upgradient wells in November 2001. Analytical data from these sampling events are presented in Tables 8 and 9, and analytical results for the organic constituents are presented on Figure 7.

The available data indicate that both shallow and deep groundwater beneath the SKW site is impacted by VOCs. The constituents in the shallow zone appear to reflect impacts to groundwater associated with releases from the SKW site, as identified in the soil quality results. However, the nature of the impacts in the deeper groundwater is distinct from those in the shallow. The absence of the same suite of VOCs in the deep zone as those detected in shallow wells suggests that constituent migration is absent or limited through the clayey zone below the site. Moreover, the occurrence of TCE and cis 1,2-DCE in monitoring wells upgradient of the site (CDM, 2000) suggests an upgradient source as the explanation for these constituents in the deep wells at the site. A more complete evaluation of these data is pending the collection and analysis of groundwater samples from monitoring wells proposed on Union Pacific Railroad property immediately north of the site and will be presented in the RFI report. (As previously described, the installation of these wells has been delayed due to property access negotiations.)

Groundwater data collected using temporary GeoProbe[®] points are presented in Table 10 and shown on Figure 8. Samples collected at the groundwater surface in B-45, 46 and 47 primarily contained concentrations of PCE, TCA and TCE. PCE was detected at 1,300 µg/L in B-46, which is the boring where the highest PCE concentration in soil was detected. Sample B-50, south of the Hot Rooms in Building D, also contained concentrations of PCE, cis 1,2-DCE, TCE and TCA at concentrations up to 1,700 µg/L. Elevated concentrations of PCE (160 and 490 µg/L) were observed in groundwater samples B-78 and B-79, respectively, which may suggest a potential nearby ongoing source area. Although other sample points contain detections of VOCs, none appear to indicate additional areas of concern.

4.2. SCOPE OF WORK

4.2.1. GEOPROBE® GROUNDWATER SAMPLING

To further assess possible localized areas of shallow subsurface impacts onsite, GeoProbe® points will be advanced into the uppermost groundwater in the shallow alluvial aquifer in select locations. Sample collection methods will minimize potential cross-contamination from the soils above. These samples may not be reproducible due to the method of collection, but they are intended for use as a screening tool for gross estimates of the presence or absence of dissolved impacts to the alluvial aquifer. Samples will be collected in this manner from the following sample points as indicated on Figure 4.

The borings placed south of the loading dock of Building C (including any contingency borings drilled) will be advanced into the groundwater surface, and groundwater samples will be collected using the same methods used previously in November 2001. Likewise, the three initial borings drilled south of B-76 and any contingency borings drilled will have groundwater samples collected near the groundwater surface. Two additional GeoProbe® borings will be advanced between the SK-3 and SK-4 well pairs to assess the extent of groundwater impacts downgradient of the loading dock of Building C. Three additional points (B-93, B-94 and B-95) will be advanced outside of the property fenceline along New York Avenue to assess potential impacts of chlorinated VOCs in the shallow groundwater east of the northeastern corner of the site. One water sample will be collected in boring B-96 to assess this area as a potential source area for concentrations of chlorinated solvents previously observed in B-79. A groundwater sample will also be obtained from boring B-97, east of Building A, to assess the extent of impacts observed in samples B-21 and B-50. The groundwater samples from each of these areas will be submitted to the analytical laboratory for analysis of VOCs by Method 8260B. Table 5 outlines the borings, the sample types and depths, and the analytical parameters to be tested in each sample.

4.2.2. NEW WELL INSTALLATION

One new monitoring well (SK-B92) will be completed as a shallow well near the former B-46, south of the loading dock of Building C. The well will be 1-inch, flush-mounted in diameter and installed similar to the GeoProbe® well installed at SK-B68. The total depth of this well will be approximately 20-25 feet bgs.

Proposed upgradient well locations on Union Pacific Railroad property are provided in Appendix A, on Figure 6 from the Phase II RFI Work Plan. CE proposes to install three additional deep upgradient

wells (SK-7D, SK-8D, and SK-9D) and one additional shallow upgradient well (SK-8S) to monitor groundwater before it reaches the SKW facility. The installation of the wells is contingent on completion of an access agreement with UPRR, which is under negotiation.

The locations of these wells were chosen to create well pairs with the existing UPRR shallow upgradient monitoring wells. The wells will be installed, developed, purged and sampled according to the protocols described in the Phase I RFI Work Plan dated October 1999, including the standard operating procedures (SOP) outlined in Appendix G.

4.2.3. MONITORING WELL SAMPLING

Upon completion of the new monitoring wells, a full round of gauging and sampling will occur. The field methods to be utilized are described in the approved Phase I Work Plan and Addendum. The samples will be analyzed for the same parameters as the October 2000 and the April 2001 sampling events. The approved QA/QC procedures, methods, SOPs, and percentages are provided in the previous Phase I Work Plan and Addendum. The analytical parameters for groundwater testing are restated below:

- VOCs
- Methane and Dissolved gases
- Total and Dissolved Iron
- Total Nitrogen
- Total and Dissolved Manganese
- Dissolved Calcium
- Dissolved Lead
- Dissolved Magnesium
- Dissolved Potassium
- Dissolved Chloride
- Dissolved Bicarbonate
- Dissolved Sulfate
- Dissolved Sodium
- Total Organic Carbon
- Dissolved Arsenic

Dissolved lead and arsenic have been added to this list of parameters to address concerns regarding soil samples containing elevated lead and arsenic concentrations. A small number of these concentrations exceed the Kansas Soil to Groundwater Tier 2 values for those two constituents. By adding dissolved lead and arsenic to the list of parameters, SK can assess whether lead is indeed leaching from these soils into the groundwater system.

Ferrous iron will also be added to the list of field parameters to be monitored. A field kit has been identified which will measure representative concentrations of ferrous iron at the time of sampling. Also, dissolved oxygen will be monitored using a down-hole device.

The following wells will be sampled during the Phase III RFI:

- UPRR Wells: MW-10, MW-11, MW-14, MW-32, MW-32D, SK-7D*,SK-8S*, SK-8D*and SK-9D*
- SK Facility Wells: HRI-03, RSC-1, SK-1S, SK-1D, SK-2S, SK-2D, SK-3S, SK-3D, SK-4S, SK-4D, SK-5S, SK-5D, SK-6S, SK-10S, SK-11S, SK-B68 and SK-B92*

* These wells will be sampled if installed during the Phase III investigation.

5. SCHEDULE AND REPORTING

The field investigation activities described herein will be initiated within four to six weeks following receipt of agency approval of the Work Plan, contingent upon the availability of the appropriate subcontractors. The work proposed for UPRR, the Coastal Derby Refinery, and City of Wichita property will clearly be contingent upon obtaining the appropriate access by the time the field effort begins. If access issues delay portions of the scope of work, then it may require multiple mobilizations to complete the work plan. The soil boring and monitoring well installation and the related sampling are anticipated to take approximately two weeks to complete.

As discussed in the Phase I RFI Work Plan submitted in October 1999, this RFI is being conducted in stages to assess the extent of impacts to soil and groundwater in an efficient and rational manner. The scope of work for each subsequent stage of the investigation relies on prior data obtained from earlier investigations. Cameron-Cole plans to include the data collected from the Phase III Work Plan in the RFI report, which is tentatively scheduled for completion in draft form in June 2002. A revised RFI schedule is attached presented in Figure 9.

6. REFERENCES

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EPA Identification No. KSD007246846, Safety-Kleen (Wichita), Inc. Facility, 2549 North New
York Avenue, Wichita, Kansas

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EPA Identification No. KSD007246846, Safety-Kleen (Wichita), Inc. Facility, 2549 North New
York Avenue, Wichita, Kansas and associated Letter from Cameron-Cole, LLC dated October
15, 2001 amending the scope of work, and USEPA's letter dated November 6, 2001 amending
the Revised Phase II RFI Work Plan

Table 1
Soil Analytical Results
Inorganic Compounds
November 2001
Safety-Kleen (Wichita) Facility
Wichita, KS

Location	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)
B-54 (4)	39.6	511	4.3	207	549	0.11	< 1.3	3.1
B-54 (17)	2.9	67.3	0.72	22.1	44.2	< 0.033	< 1.3	< 1
B-60 (1)	1.9	30.2	34.8	3.3	466	< 0.033	< 1.3	< 1
B-60 (3)	7.2	272	< 0.5	20.4	10.6	< 0.033	< 1.3	< 1
B-60 (16)	1.1	19.8	< 0.5	2	2.3	< 0.033	< 1.3	< 1
B-61 (0.5)	10.1	310	4.6	65.8	542	0.12	< 1.3	< 1
B-61 (4)	6.1	347	6.7	33.6	219	0.41	< 1.3	< 1
B-61 (18)	1.2	15.4	< 0.5	1.1	1.8	< 0.033	< 1.3	< 1
B-62 (0.5)	6.8	456	21.8	47.2	142	0.046	< 1.3	< 1
B-62 (5)	5.4	201	< 0.5	28.8	12.3	< 0.033	< 1.3	< 1
B-62 (17)	2.2	43.2	< 0.5	11.8	8	< 0.033	< 1.3	< 1
B-63 (0.5)	11	226	2.4	51	1020	< 0.033	< 1.3	< 1
B-63 (11)	4.1	178	< 0.5	19.8	69.3	< 0.033	< 1.3	< 1
B-63 (19)	1.5	22.5	< 0.5	1.6	2.3	< 0.033	< 1.3	< 1
B-64 (0.5)	12.4	59.8	3.2	17.3	170	0.16	2.8	< 1
B-64 (3)	9.4	126	< 0.5	18.8	10.8	< 0.033	< 1.3	< 1
B-64 (16)	1.5	52.5	< 0.5	3.9	2.7	< 0.033	< 1.3	< 1
B-65 (0.5)	11.8	109	5	13.6	308	0.18	2.7	< 1
B-65 (3)	5.5	180	1.5	21.3	39.8	< 0.033	< 1.3	< 1
B-65 (16)	1.7	34.2	< 0.5	4.5	3.3	< 0.033	< 1.3	< 1
B-66 (0.5)	92.3	143	< 0.5	31	156	0.12	5.6	< 1
B-66 (3)	5.7	155	1.5	15.4	69.3	< 0.033	< 1.3	< 1
B-66 (16)	1.5	37.9	< 0.5	4.2	3.3	< 0.033	< 1.3	< 1
B-67 (0.5)	15	93.8	4	17.4	49.5	0.053	4.9	< 1
B-67 (3)	11.2	115	3.8	15	299	< 0.033	1.9	< 1
B-67 (16)	2.1	55.6	< 0.5	11.9	6.1	< 0.033	< 1.3	< 1
B-68 (4)	5.5	165	< 0.5	21.3	10.4	< 0.033	< 1.3	< 1
B-68 (16)	< 1	30.1	< 0.5	2.4	2.2	< 0.033	< 1.3	< 1
B-68 (16) *	1.1	18.6	< 0.5	3.1	2.4	< 0.033	< 1.3	< 1
B-69 (3)	5.5	190	< 0.5	23	11.3	< 0.033	< 1.3	< 1
B-69 (15)	2.2	34.5	< 0.5	7.5	4.6	< 0.033	< 1.3	< 1
B-70 (0.5)	8.4	168	3	44.7	105	0.31	< 1.3	< 1
B-70 (8)	4.9	192	< 0.5	18.6	26.3	0.035	< 1.3	< 1
B-70 (18)	< 1	16.6	< 0.5	1.4	1.5	< 0.033	< 1.3	< 1

Table 2
Volatile Organic Compounds Analyzed for in Method 8260
S-K Wichita Facility
Wichita, Kansas

Parameter Name	Method	Units
1,1,1,2-Tetrachloroethane	8260B	ppb
1,1,1-Trichloroethane	8260B	ppb
1,1,2,2-Tetrachloroethane	8260B	ppb
1,1,2-Trichloroethane	8260B	ppb
1,1-Dichloroethane	8260B	ppb
1,1-Dichloroethene	8260B	ppb
1,1-Dichloropropene	8260B	ppb
1,2,3-Trichlorobenzene	8260B	ppb
1,2,3-Trichloropropane	8260B	ppb
1,2,4-Trichlorobenzene	8260B	ppb
1,2,4-Trimethylbenzene	8260B	ppb
1,2-Dibromo-3-chloropropane	8260B	ppb
1,2-Dibromoethane	8260B	ppb
1,2-Dichlorobenzene	8260B	ppb
1,2-Dichloroethane	8260B	ppb
1,2-Dichloropropane	8260B	ppb
1,3,5-Trimethylbenzene	8260B	ppb
1,3-Dichlorobenzene	8260B	ppb
1,3-Dichloropropane	8260B	ppb
1,4-Dichlorobenzene	8260B	ppb
2,2-Dichloropropane	8260B	ppb
2-Chlorotoluene	8260B	ppb
4-Chlorotoluene	8260B	ppb
Benzene	8260B	ppb
Bromobenzene	8260B	ppb
Bromochloromethane	8260B	ppb
Bromodichloromethane	8260B	ppb
Bromoform	8260B	ppb
Bromomethane	8260B	ppb

Parameter Name	Method	Units
Carbon tetrachloride	8260B	ppb
Chlorobenzene	8260B	ppb
Chlorodibromomethane	8260B	ppb
Chloroethane	8260B	ppb
Chloroform	8260B	ppb
Chloromethane	8260B	ppb
cis-1,2-Dichloroethene	8260B	ppb
Dibromomethane	8260B	ppb
Dichlorodifluoromethane	8260B	ppb
Ethylbenzene	8260B	ppb
Hexachlorobutadiene	8260B	ppb
Isopropylbenzene	8260B	ppb
m-Xylene & p-Xylene	8260B	ppb
Methylene chloride	8260B	ppb
n-Butylbenzene	8260B	ppb
n-Propylbenzene	8260B	ppb
Naphthalene	8260B	ppb
o-Xylene	8260B	ppb
p-Isopropyltoluene	8260B	ppb
sec-Butylbenzene	8260B	ppb
Styrene	8260B	ppb
tert-Butylbenzene	8260B	ppb
Tetrachloroethene	8260B	ppb
Toluene	8260B	ppb
trans-1,2-Dichloroethene	8260B	ppb
Trichloroethene	8260B	ppb
Trichlorofluoromethane	8260B	ppb
Vinyl chloride	8260B	ppb

ppb - parts per billion (or µg/L for water and µg/kg for soil)

Table 3
Soil Analytical Results
Volatile Organic Compounds
November 2001
Safety-Kleen (Wichita) Facility
Wichita, KS

Location	1,1,1-Trichloroethane	1,1-Dichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	m-Xylene & p-Xylene	n-Butylbenzene	n-Propylbenzene	Naphthalene	o-Xylene	p-Isopropyltoluene	sec-Butylbenzene	tert-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
B-45 (4)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	200	< 5	< 2.5	< 5	< 5
B-45 (14)	< 25	< 25	< 25	< 25	< 12	< 25	< 25	< 12	< 25	< 25	< 25	< 12	< 25	< 25	< 25	490	< 25	< 12	< 25	< 25
B-46 (2)	< 1200	< 1200	< 1200	< 1200	< 590	< 1200	< 1200	< 590	< 1200	< 1200	< 1200	< 590	< 1200	< 1200	< 1200	28000	< 1200	< 590	< 1200	< 1200
B-46 (13)	< 25	< 25	< 25	< 25	< 12	< 25	< 25	< 12	< 25	< 25	< 25	< 12	< 25	< 25	< 25	690	< 25	< 12	< 25	< 25
B-47 (3)	< 25	< 25	< 25	< 25	< 12	< 25	< 25	< 12	< 25	< 25	< 25	< 12	< 25	< 25	< 25	540	< 25	< 12	26	< 25
B-47 (14)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	37	< 5	< 2.5	< 5	< 5
B-48 (3)	< 5	16	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	8.4
B-48 (14)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	71	< 5	< 2.5	8.4	< 5
B-49 (4)	< 5	< 5	< 5	< 5	2.9	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	33	< 5	< 2.5	6.8	< 5
B-49 (15)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	11	< 5	< 2.5	< 5	< 5
B-50 (4)	< 25	< 25	< 25	< 25	29	< 25	< 25	< 12	< 25	< 25	< 25	< 12	< 25	< 25	< 25	370	< 25	< 12	81	< 25
B-50 (4) DUP	< 25	< 25	< 25	< 25	29	< 25	< 25	< 12	< 25	< 25	< 25	< 12	< 25	< 25	< 25	550	< 25	< 12	120	< 25
B-50 (15)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5
B-50 (15) DUP	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	59	< 5	< 2.5	8.3	< 5
B-51 (4)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5
B-51 (15)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5
B-52 (4)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5
B-52 (15)	< 250	< 250	2400	510	< 120	< 250	< 250	< 120	400	370	310	< 120	< 250	< 250	< 250	< 250	< 250	< 120	< 250	< 250
B-53 (5)	< 25	< 25	< 25	< 25	< 12	< 25	< 25	< 12	< 25	< 25	< 25	< 12	< 25	< 25	< 25	< 25	< 25	< 12	200	< 25
B-53 (17)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5
B-54 (4)	< 5	< 5	< 5	< 5	5.1	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	160	< 5	< 2.5	11	< 5
B-54 (17)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5
B-55 (3)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	27	< 5	< 2.5	15	< 5
B-55 (17)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5
B-56 (3)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	68	< 5	< 2.5	< 5	< 5
B-56 (16)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	7.2	< 5	< 2.5	< 5	< 5
B-57 (4)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5
B-57 (15)	< 5	< 5	< 5	< 5	< 2.5	35	< 5	150	< 5	< 5	< 5	50	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5
B-58 (4)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	16	< 5	< 2.5	< 5	< 5
B-58 (16)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5
B-59 (3)	< 5	< 5	70	< 5	< 2.5	46	11	27	8.6	30	< 5	6.1	8.1	18	12	< 5	6.5	< 2.5	< 5	< 5
B-59 (15)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5
B-60 (1)	< 5	5.2	< 5	< 5	23	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	12	44	6.6	6.9	9.7
B-60 (3)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5
B-60 (16)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	3	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	8.8	< 5	< 2.5	< 5	< 5
B-61 (0.5)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5

Table 3
Soil Analytical Results
Volatile Organic Compounds
November 2001
Safety-Kleen (Wichita) Facility
Wichita, KS

Location	1,1,1-Trichloroethane	1,1-Dichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	m-Xylene & p-Xylene	n-Butylbenzene	n-Propylbenzene	Naphthalene	o-Xylene	p-Isopropyltoluene	sec-Butylbenzene	tert-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
B-61 (4)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	32	< 5	< 2.5	6.2	< 5
B-61 (18)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5
B-62 (0.5)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5
B-62 (5)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5
B-62 (17)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5
B-63 (0.5)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	24	< 5	< 2.5	< 5	< 5
B-63 (11)	1000	< 490	< 490	< 490	< 240	< 490	< 490	< 240	< 490	< 490	< 490	< 240	< 490	< 490	< 490	11000	< 490	< 240	590	< 490
B-63 (19)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5
B-68 (4)	< 5	23	6	< 5	6.4	19	< 5	110	< 5	< 5	< 5	32	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5
B-69 (3)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5
B-69 (3) DUP	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	9.4	< 5	< 2.5	< 5	< 5
B-69 (15)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5
B-70 (8)	< 25	< 25	< 25	< 25	< 12	< 25	< 25	< 12	< 25	< 25	< 25	< 12	< 25	< 25	< 25	580	< 25	< 12	25	< 25
B-70 (18)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5
B-76 (4)	< 25	< 25	< 25	< 25	< 12	< 25	< 25	< 12	< 25	< 25	< 25	< 12	< 25	< 25	< 25	610	< 25	< 12	< 25	< 25
B-76 (16)	< 250	< 250	< 250	< 250	< 120	< 250	< 250	< 120	< 250	< 250	< 250	< 120	< 250	< 250	< 250	5800	< 250	< 120	< 250	< 250
B-76 (16) DUP	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5
B-77 (5)	< 5	6.3	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5
B-77 (16)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5
B-80 (1)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5
B-80 (15)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5
B-80 (15) DUP	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5
B-83 (1)	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 5	< 5
B-45 (4)	< 5	< 5	< 5	< 5	< 2.6	< 5	< 5	< 2.6	< 5	< 5	< 5	< 2.6	< 5	< 5	< 5	200	< 5	< 2.6	< 5	< 5

Table 4
Soil Analytical Results
Semi - Volatile Organic Compounds
November 2001
Safety-Kleen (Wichita) Facility
Wichita, KS

Location	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis 2-ethylhexyl phthalate	Chrysene	Dibenz(a,h)anthracene	Dimethyl Phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
B-48 (3)	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330
B-48 (14)	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330
B-49 (4)	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330
B-49 (15)	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330
B-50 (4)	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330
B-50 (4) *	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330
B-50 (15)	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330
B-50 (15) *	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330
B-68 (4)	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330
B-68 (16)	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	630	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330
B-68 (16) *	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	650	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330

Concentrations reported micrograms per kilogram or µg/kg (ppb)

Detections are **BOLDED**

* = Duplicate sample

Table 5
Sampling Details
Phase III RFI Work Plan
S-K Wichita Facility
Wichita, Kansas

Boring ID	Location Description	Surface Samples	Geoprobe Soil Sampling Depths			Soil Sample Analyses			Geoprobe Groundwater Sampling	Geoprobe Groundwater Sample Analyses	Surface Water Analyses
		0 to 4 inches bgs	Sample with Highest PID Reading in Fill	Sample with Highest PID <10 ft bgs	Bottom 2 feet of Vadose Zone	VOCs ¹	Total Lead ²	Total Arsenic ²	Upper 5 feet of Water Table	VOCs ¹	VOCs ¹
B-84	South of Building C Loading Ramp										
B-85	South of Building C Loading Ramp			X	X	X			X	X	
B-86	South of Building C Loading Ramp			X	X	X			X	X	
B-87	Adjacent to Southern Property Boundary -- South of B-76			X	X	X			X	X	
B-88	Adjacent to Southern Property Boundary -- South of B-76			X	X	X			X	X	
B-89	Adjacent to Southern Property Boundary -- South of B-76			X	X	X			X	X	
B-90	Between SK-4 and SK-3 well pairs			X	X	X			X	X	
B-91	Between SK-4 and SK-3 well pairs								X	X	
SK-B92	Near Former B-46, South of Building C Loading Ramp +			X	X	X			X	X	
B-93	East of Property -- Along New York St.		X		X	X			X	X	
B-94	East of Property -- Along New York St.		X		X	X			X	X	
B-95	East of Property -- Along New York St		X		X	X			X	X	
B-96	Near Southeast Corner of Building J Loading Dock				X	X			X	X	
B-97	East of Building A			X	X	X			X	X	
B-98	Contingency Boring Near Building C Loading Ramp *			X	X	X			X	X	
B-99	Contingency Boring Near Building C Loading Ramp *			X	X	X			X	X	
B-100	Contingency Boring Near Building C Loading Ramp *			X	X	X			X	X	
B-101	Contingency Boring Near Former B-76 *			X	X	X			X	X	
B-102	Contingency Boring Near Former B-76 *			X	X	X			X	X	
B-103	Contingency Boring Near Former B-76 *			X	X	X			X	X	
SK-SW-1	North of 21st Street -- East Fork Chisolm Creek			X	X	X			X	X	
SK-SW-2	Southeast of Site -- East Fork Chisolm Creek										X
SK-SW-3	East of Southern Site Boundary -- East Fork Chisolm Creek										X
SK-SW-4	East of the Northeast Corner of the Site -- East Fork Chisolm Creek										X
SK-SW-5	Upgradient of the Site/ East of I-35 -- East Fork Chisolm Creek										X
SS-1	East of New York Street and/or Along Perimeter of Site and/or Near Site Property**	X									X
SS-2	East of New York Street and/or Along Perimeter of Site and/or Near Site Property**	X					X	X			
SS-3	East of New York Street and/or Along Perimeter of Site and/or Near Site Property**	X					X	X			
SS-4	East of New York Street and/or Along Perimeter of Site and/or Near Site Property**	X					X	X			
SS-5	East of New York Street and/or Along Perimeter of Site and/or Near Site Property**	X					X	X			
SS-6	East of New York Street and/or Along Perimeter of Site and/or Near Site Property**	X					X	X			
SS-7	East of New York Street and/or Along Perimeter of Site and/or Near Site Property**	X					X	X			
SS-8	East of New York Street and/or Along Perimeter of Site and/or Near Site Property**	X					X	X			
SS-9	East of New York Street and/or Along Perimeter of Site and/or Near Site Property**	X					X	X			
SS-10	East of New York Street and/or Along Perimeter of Site and/or Near Site Property**	X					X	X			
SS-11	East of New York Street and/or Along Perimeter of Site and/or Near Site Property**	X					X	X			
SS-12	East of New York Street and/or Along Perimeter of Site and/or Near Site Property**	X					X	X			
SS-13	East of New York Street and/or Along Perimeter of Site and/or Near Site Property**	X					X	X			
SS-14	East of New York Street and/or Along Perimeter of Site and/or Near Site Property**	X					X	X			
SS-15	East of New York Street and/or Along Perimeter of Site and/or Near Site Property**	X					X	X			

Notes: * Final location to be determined during the field event based on observations and initial field findings.
 ** Background sample locations to be finalized in the field.
 + Well will be sampled with other wells in the groundwater monitoring network for same analytical parameters.
¹ Samples were analyzed by USEPA SW 846 Method 8260B
² Samples were analyzed by USEPA SW846 Method 6010-TR (ICP trace)

Table 6
Surface Water Analytical Results
Volatile Organic Compounds
November 2001
Safety-Kleen (Wichita) Facility
Wichita, KS

Location	Method	Units	1,1,1-Trichloroethane	1,1-Dichloroethane	Benzene	cis-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl chloride
SK-SW-1	8260B	ug/L	1.2	< 1	< 1	11	1	4.3	< 1
SK-SW-2	8260B	ug/L	3.2	1.2	3.3	23	2.1	4.4	1.1
SK-SW-3	8260B	ug/L	< 1	< 1	< 1	1.6	1.7	< 1	< 1
SK-SW-4	8260B	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1
SK-SW-5	8260B	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1
SK-SW-5*	8260B	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1

* = Duplicate sample

Table 7
Survey and Groundwater Data for Monitoring Wells
April and November 2001
Safety-Kleen (Wichita), Inc.
Wichita, Kansas

Well Identification	Survey Coordinates		Top of Casing (feet msl)	Casing Diameter (inches)	April 25, 2001		November 12, 2001	
	Northing	Easting			Depth to Water (feet)	Groundwater Elevation (feet msl)	Depth to Water (feet)	Groundwater Elevation (feet msl)
SK-1S	1701435.13	1654150.42	1315.43	2	16.44	1298.99	17.02	1298.41
SK-1D	1701433.03	1654158.09	1315.61	2	16.09	1299.52	16.55	1299.06
SK-2S	1701352.32	1653643.2	1313.51	2	14.25	1299.26	14.72	1298.79
SK-2D	1701352.84	1653651.39	1313.47	2	14.16	1299.31	14.51	1298.96
SK-3S	1701358.64	1653453.58	1313.33	2	13.65	1299.68	14.20	1299.13
SK-3D	1701358.2	165459.78	1313.37	2	13.85	1299.52	14.17	1299.17
SK-4S	1701330.43	1653252.27	1312.8	2	12.87	1299.93	13.45	1299.35
SK-4D	1701322.33	1653254.10	1312.84	2	NM	--	13.49	1299.35
SK-5S	1701423.92	1653527.32	1313.49	2	13.83	1299.66	14.42	1299.07
SK-5D	1701423.85	1653532.62	1313.65	2	13.98	1299.67	14.42	1299.23
SK-6S	1701608.68	1654227.91	1316.98	2	17.55	1299.43	18.20	1298.78
SK-10S	1701327.72	1654179.32	1316.64	2	NM	--	19.01	1297.63
SK-11S	1701114.53	1654067.02	1316.78	2	NM	--	19.13	1297.65
SK-68B	1701525.19	1653521.19	1314.08	1	NM	--	17.90	1296.18
RSCI-1	1701409.55	1653990.47	1315.49	4	16.11	1299.38	16.47	1299.02
WND-32	1701737.09	1653110.92	1318.20	2	17.50	1300.70	18.17	1300.03
HRI-03	1701323.78	1653072.28	1312.46	4	12.56	1299.90	12.99	1299.47
MW-10	1701907.56	1653522.30	1318.11	2	17.21	1300.90	18.00	1300.11
MW-11	1701719.78	1653520.73	1316.57	2	16.33	1300.24	17.02	1299.55
MW-14	1701812.20	1653352.03	1317.74	2	17.11	1300.63	17.82	1299.92

Measurements collected with a 24-hour period.

feet msl = feet mean sea level

NM = Depth to water not measured

Table 8
Groundwater Analytical Results,
General Chemistry, Metals and Dissolved Gases,
November 2001
Safety-Kleen (Wichita) Facility
Wichita, KS

Location (Units)	General Chemistry Parameters									Total and Dissolved Metals								Dissolved Gases		
	Alkalinity, Bicarbonate (mg/l)	Alkalinity, Carbonate (mg/l)	Alkalinity, Total (mg/l)	Ammonia (as N) (mg/l)	Chloride (mg/l)	Nitrogen, Nitrite and Nitrate (mg/l)	Sulfate (mg/l)	Total Dissolved Solids (mg/l)	Total Organic Carbon (mg/l)	Calcium (Dissolved) (mg/l)	Iron (Dissolved) (mg/l)	Iron (Total) (mg/l)	Magnesium (Dissolved) (mg/l)	Manganese (Dissolved) (mg/l)	Manganese (Total) (mg/l)	Potassium (Dissolved) (mg/l)	Sodium (Dissolved) (mg/l)	Ethane (µg/l)	Ethene (µg/l)	Methane (µg/l)
UPRR Wells																				
MW-10	448	< 5	448	0.3	39.9	0.15	< 5	940	3.5	94.8	2.2	391	26.3	1.2	7.1	3.3	70.6	0.6	< 0.5	R
MW-11	257	< 5	257	0.13	10.2	0.46	203	595	3.6	135	1.7	93	17.1	0.86	1.4	3.2	24.3	< 0.5	< 0.5	R
MW-11 *	263	< 5	263	0.15	12.1	0.45	164	655	3.5	132	1.9	77.6	16.7	0.78	1.4	3.4	23.2	< 0.5	< 0.5	R
MW-14	496	< 5	496	0.37	43.4	0.18	40.7	540	4.5	136	8.4	396	36.1	3.1	6.2	3	51.6	< 0.5	< 0.5	R
WND-32	310	< 5	310	< 0.1	68.7	6.3	138	925	2.5	124	< 0.1	42.4	30.6	3.3J	1.4J	5.6	78.8	< 0.5	< 0.5	1.5
WND-32D	324	< 5	324	< 0.1	80.1	3.1	231	1070	2.4	136	< 0.1	55.3	55.8	0.08	1.3	< 3	52.6	< 0.5	< 0.5	2.6
SK Facility Wells																				
HRI-03	338	< 5	338	< 0.1	73	2.2	215	798	2.6	133	< 0.1	0.33	52.3	0.28	0.34	< 3	50.5	< 0.5	< 0.5	2.9
RSC-1	337	< 5	337	< 0.1	79.1	3.2	231	858	1.9	143	< 0.1	4.2	57.1	0.16	0.5	< 3	53.3	< 0.5	< 0.5	1.1
SK-10S	338	< 5	338	0.39	80.5	0.35	142	680	4.6	92.8	< 0.1	259J	41.3	2.6	9.8	3	75.2	2.2	< 0.5	27
SK-10S *	332	< 5	332	0.44	80.2	0.42	160	840	5.4	94.8	< 0.1	430J	42.1	2.7	12.2	3.4	77.4	2.3	< 0.5	27
SK-11S	351	< 5	351	< 0.1	61.2	1.7	193	704	5	66	< 0.1	0.2	21.6	0.75J	0.65J	< 3	166	< 0.5	< 0.5	3.1
SK-1D	269	< 5	269	< 0.1	50.6	1.7	443	1000	3.5	164	< 0.1	0.35	62.9	0.056	0.069	< 3	44.9	< 0.5	< 0.5	0.92
SK-1D *	270	< 5	270	< 0.1	50.9	1.7	419	994	4	163	< 0.1	0.46	63.9	0.055	0.067	< 3	45.6	< 0.5	< 0.5	0.98
SK-1S	260	< 5	260	< 0.1	55.5	1.7	315	1040	1.9	131	< 0.1	56.6	50	0.02	0.54	< 3	43.7	< 0.5	< 0.5	0.7
SK-2D	347	< 5	347	< 0.1	56	3.3	287	895	16.9	141	< 0.1	3.3	56.8	0.61	0.87	< 3	50.1	< 0.5	< 0.5	1.7
SK-2S	423	< 5	423	0.13	80.8	< 0.1	132	825	5.2	134	0.13	385	35.7	2.5	10.5	3.3	72.2	< 0.5	< 0.5	R
SK-3D	285	< 5	285	< 0.1	52	5.1	189	649	20	106	< 0.1	11.3	40.5	0.33	0.55	< 3	44.6	< 0.5	< 0.5	0.88
SK-3S	282	< 5	282	< 0.1	53.4	5.8	167	1000	5.9	102	< 0.1	21.5J	35.8	0.94	1.1	3.3	46.8	< 0.5	< 0.5	7.4
SK-3S *	277	< 5	277	< 0.1	57.8	5.9	138	666	2.8	102	< 0.1	11.6J	35.8	0.94	1	3.9	47.8	< 0.5	< 0.5	9.9
SK-4D	338	< 5	338	< 0.1	65.1	3.1	190	767	4.2	120	< 0.1	0.5	45.7	1.4	1.5	3	50	< 0.5	< 0.5	1.9
SK-4S	386	< 5	386	< 0.1	36.9	1.3	190	1030	2.9	138	< 0.1	0.85	38.3	1.8	1.9	3.3	43.1	< 0.5	< 0.5	4.3
SK-5D	318	< 5	318	< 0.1	74.4	3.6	234	770	18.9	119	< 0.1	1.8	49	0.42	0.51	< 3	45.7	< 0.5	< 0.5	1.2
SK-5S	481	< 5	481	0.24	115	< 0.1	68	910	4.6	128	2.6	35.6	35.5	2.6	3.5	3.9	90.6	< 0.5	< 0.5	R
SK-6S	410	< 5	410	< 0.1	56.1	< 0.1	93.2	1400	2.9	99.8	< 0.1	6.9	36.3	2.7	2.8	< 3	82.2	< 0.5	< 0.5	73
SK-B68	482	< 5	482	0.27	65.6	0.36	42.8	658	2.6	127	0.84	14.2	36.4	1.1	1.2	3.1	54.4	< 0.5	< 0.5	700
SK-B68 *	485	< 5	485	0.25	65.5	0.31	48.3	674	2.7	127	0.8	10.8	36.6	1.1	1.2	3.1	55.5	< 0.5	< 0.5	NA

Notes: * = Duplicate Sample
 J = Estimated Value
 R = Rejected Value from the Data Validation Process

Table 9
Groundwater Analytical Results, Volatile Organic Compounds
November 2001
Safety-Kleen (Wichita) Facility
Wichita, KS

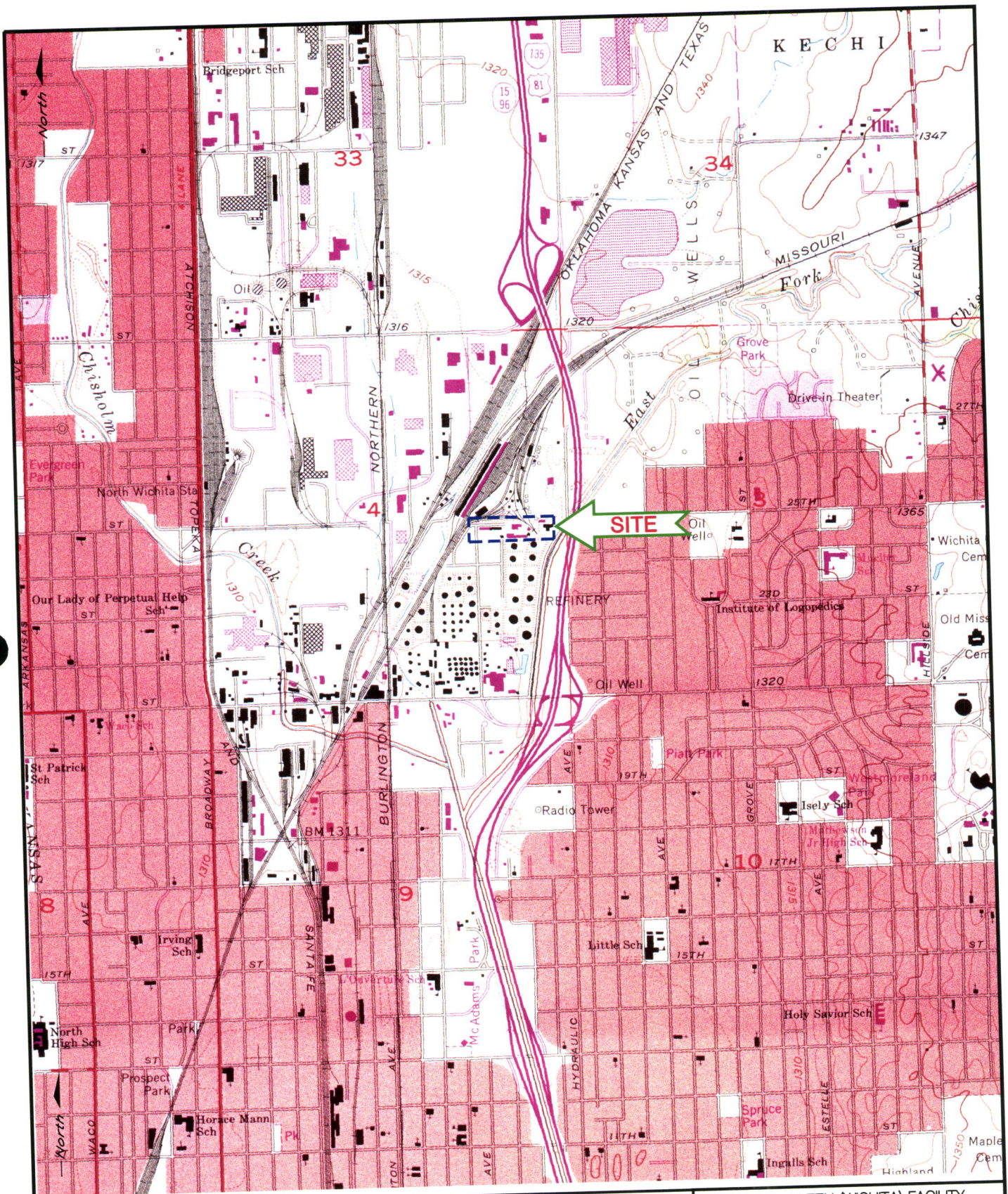
Location	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Benzene	Carbon tetrachloride	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	m-Xylene & p-Xylene	Methylene chloride	n-Butylbenzene	n-Propylbenzene	Naphthalene	o-Xylene	sec-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
UPRR Wells																							
MW-10	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<80	<40	<40	<40	<40	<40	<40	<40	<40	<20	<40	<40
MW-11	<1	<1	<1	1.6	<1	<1	<1	<1	<1	<1	1.4	<2	<1	<1	2	<1UJ	<1	2.5	<1	<1	<0.5	<1	<1
MW-11 *	<1	<1	<1	<1	<1	<1	<1	<1	1.5	<1	1.9	<2	<1	5.4	2.7	5.9J	<1	2.4	<1	<1	<0.5	<1	<1
MW-14	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<80	<40	<40	<40	<40	<40	<40	<40	<40	<20	<40	<40
WND-32	<1	<1	<1	<1	<1	<1	6.6	32	1.1	<1	<1	<2	1	<1	<1	<1	<1	<1	<1	<1	<0.5	11	<1
WND-32D	<2	<2	<2	<2	<2	<2	<2	<2	17	<2	<2	<4	<2	<2	<2	<2	<2	<2	<2	<2	<1	110	<2
SK Facility Wells																							
HRI-03	<4	<4	<4	<4	<4	<4	6.4	<4	21	<4	<4	<8	<4	<4	<4	<4	<4	<4	<4	<4	<2	120	<4
RSC-1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	4.9	<1
SK-10S	<4	11	<4	<4	<4	<4	<4	<4	110	<4	<4	<8	<4	<4	<4	<4	<4	<4	56	<4	<2	9.7	51
SK-10S *	<4	14	<4	<4	<4	<4	<4	<4	140	<4	<4	<8	<4	<4	<4	<4	<4	<4	67	<4	<2	12	59
SK-11S	8.3	2	1.4	<1	<1	<1	<1	<1	32	<1	<1	<2	<1	<1	<1	<1	<1	<1	3.9	<1	<0.5	16	<1
SK-1D	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1
SK-1D *	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1
SK-1S	<1	<1	<1	<1	<1	<1	<1	<1	3.3	<1	<1	<2	<1	<1	<1	<1	<1	<1	24	<1	<0.5	2.1	<1
SK-2D	<4	<4	<4	<4	<4	<4	<4	<4	39	<4	<4	<8	<4	<4	<4	<4	<4	<4	<4	<4	<2	210	<4
SK-2S	38	17	<8	<8	<8	<8	<8	<8	260	<8	<8	<16	<8	<8	<8	<8	<8	<8	180	<8	<4	100	<8
SK-3D	<2	<2	<2	<2	<2	<2	<2	<2	11	<2	<2	<4	<2	<2	<2	<2	<2	<2	<2	<2	<1	69	<2
SK-3S	<2	<2	<2	55	13	<2	<2	<2	6.7	33	2.1	120	<2	<2	6.7	3.8	44	<2	8	87	<1	35	<2
SK-3S *	<5	<5	<5	57	14	<5	<5	<5	7.1	32	<5	120	<5	<5	6.2	<5	44	<5	9.2	93	<2.5	35	<5
SK-4D	<2	<2	<2	<2	<2	<2	<2	<2	11	<2	<2	<4	<2	<2	<2	<2	<2	<2	3.5	<2	<1	63	<2
SK-4S	11	7.8	3.6	<2	<2	<2	<2	<2	45	<2	<2	<4	<2	<2	<2	<2	<2	<2	76	<2	<1	12	<2
SK-5D	<4	<4	<4	<4	<4	<4	<4	<4	20	<4	<4	<8	<4	<4	<4	<4	<4	<4	<4	<4	<2	120	<4
SK-5S	24	10	<4	<4	<4	<4	<4	<4	120	<4	<4	<8	<4	<4	<4	<4	<4	<4	230	<4	<2	90	<4
SK-6S	<1	2.8	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1	2	<1	<0.5	<1	<1
SK-B68	20J	2.7J	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	89J	<2.5	<2.5	<5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	5.9J	<2.5	<1.2	8.3J	<2.5
SK-B68 *	120J	18J	<10	<10	<10	<10	<10	<10	370J	<10	<10	<20	<10	<10	<10	<10	<10	<10	26J	<10	<5	40J	<10

Notes: * = Duplicate Samples
 Constituent concentrations reported micrograms per liter (µg/l)
 J = Estimated Value
 UJ = Estimated Non-Detect

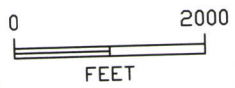
Table 10
Groundwater Analytical Results for Geoprobe Water Samples,
November 2001
Safety-Kleen (Wichita) Facility
Wichita, KS

Location	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Benzene	Carbon tetrachloride	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	m-Xylene & p-Xylene	Methylene chloride	n-Butylbenzene	n-Propylbenzene	Naphthalene	o-Xylene	sec-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
B-45-15 feet	47	< 13	< 13	< 13	< 13	< 13	< 13	< 13	< 13	< 13	< 13	< 27	< 13	< 13	< 13	< 13	< 13	< 13	300	< 13	< 6.7	20	< 13
B-46-17 feet	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 80	< 40	< 40	< 40	< 40	< 40	< 40	1300	< 40	< 20	40	< 40
B-47-16 feet	23	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	13	< 2.5	< 2.5	< 2.5	< 5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	71	< 2.5	< 1.2	47	< 2.5
B-48-18 feet	6.3	4	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	14	< 2.5	< 2.5	< 5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	44	< 2.5	< 1.2	10	< 2.5
B-50-18 feet	340	< 80	< 80	< 80	< 80	< 80	< 80	< 80	1700	< 80	< 80	< 160	< 80	< 80	< 80	< 80	< 80	< 80	1700	< 80	< 40	960	< 80
B-56-18 feet	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	55	< 1	< 0.5	8.9J	< 1
B-56-18 feet*	2.4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	40	< 1	< 0.5	1.6J	< 1
B-60-18 feet	< 10	45	< 10	23	< 10	< 10	< 10	< 10	< 10	77	< 10	590	< 10	< 10	< 10	< 10	290	< 10	< 10	< 10	< 5	< 10	< 10
B-63-20 feet	9	2.5	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 4	< 2	< 2	< 2	< 2	< 2	< 2	32	< 2	< 1	< 2	< 2
B-68-19 feet	39	< 5	< 5	< 5	< 5	< 5	< 5	< 5	140	10	< 5	54	< 5	< 5	< 5	< 5	21	< 5	29	8.2	< 2.5	22	< 5
B-69-18 feet	3.2	8	< 1	< 1	< 1	< 1	< 1	< 1	3.8	< 1	a	< 2	< 1	< 1	< 1	< 1	< 1	< 1	1.5	< 1	< 0.5	2	39
B-71-20 feet	< 1	2	< 1	< 1	< 1	< 1	< 1	< 1	23	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	24	< 1	< 1	3	14
B-72-20 feet	< 1	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
B-73-20 feet	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	3.8	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
B-74-20 feet	32	12	< 1	< 1	< 1	< 1	< 1	< 1	110	< 1	< 1	< 1	5.4	< 1	< 1	< 1	< 1	< 1	25	< 1	< 1	26	< 1
B-75-40 feet	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1.4	< 1
B-75-22 feet	< 1	< 1	< 1	< 1	< 1	8.4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
B-77-19 feet	2.7	8.9	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1.1	< 0.5	< 1	< 1
B-78-20 feet	< 5	26	< 5	< 5	< 5	< 5	< 5	< 5	70	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	160	< 5	< 2.5	28	260
B-79-20 feet	< 29	< 29	< 29	< 29	< 29	< 29	< 29	< 29	430	< 29	< 29	< 57	< 29	< 29	< 29	< 29	< 29	< 29	490	< 29	< 14	48	80
B-80-17 feet	< 1	33	< 1	< 1	< 1	1.6	< 1	< 1	2.1	1.7	< 1	14	< 1	< 1	< 1	< 1	1.8	< 1	< 1	< 1	3	< 1	< 1
B-81-20 feet	2.7	38	< 1	< 1	< 1	< 1	< 1	< 1	6.5	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	42	< 1	< 0.5	15	< 1
B-82-18 feet	< 1	6.8	< 1	< 1	< 1	< 1	< 1	< 1	4.3	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	15	< 1	< 0.5	7.1	< 1
B-83-17 feet	< 20	44	< 20	< 20	< 20	< 20	< 20	< 20	< 20	120	< 20	310	< 20	< 20	< 20	< 20	190	< 20	< 20	39	< 10	< 20	< 20

Notes: Concentrations reported in micrograms per liter (µg/l)
 * = Duplicate sample
 Bold = constituent above detection limit
 J = Estimated Value



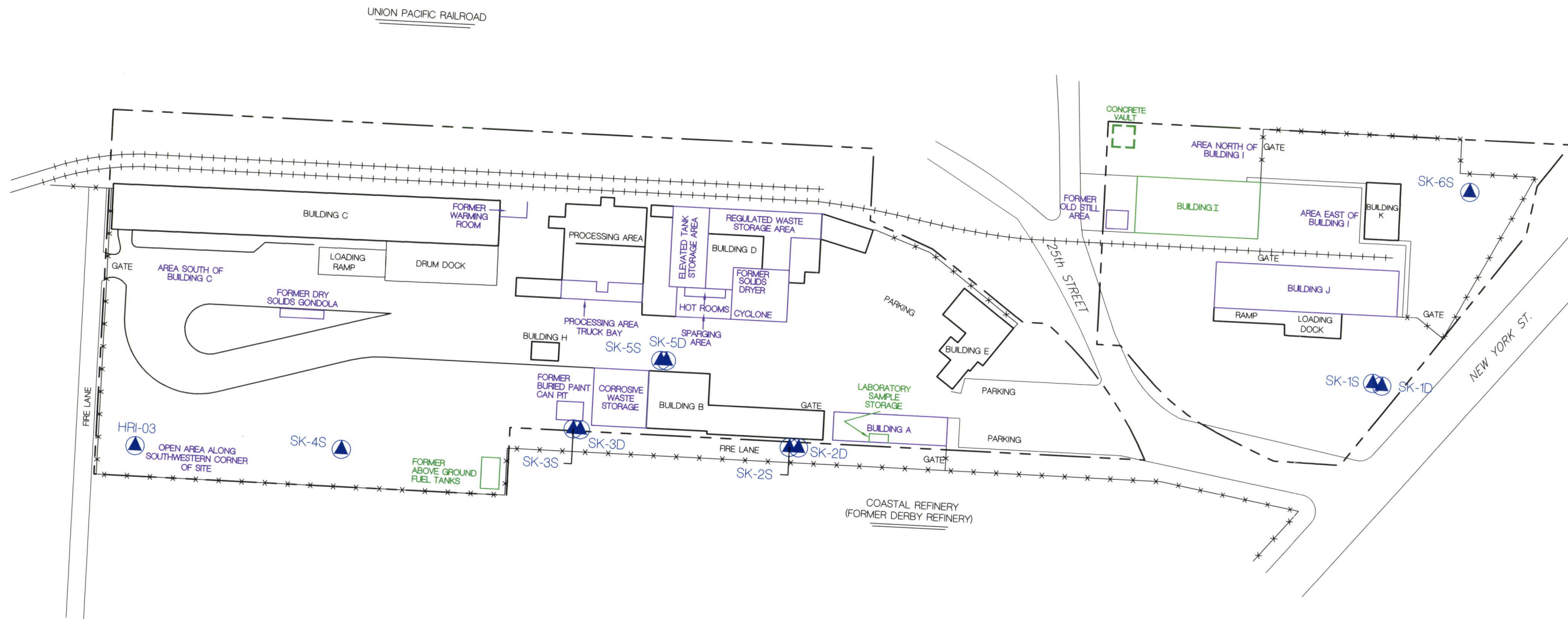
MAP ADAPTED FROM USGS 7.5' SERIES
QUADRANGLE WICHITA EAST, KANSAS



SAFETY-KLEEN (WICHITA) FACILITY

FIGURE 1
SITE LOCATION MAP
WICHITA, KANSAS

SCALE 1" = 2000' DATE 8/30/01 DWG NO. 963231-LOCMAP



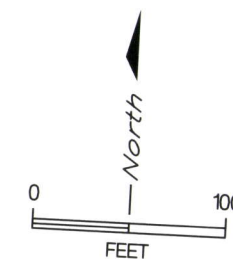
LEGEND

: SWMU Locations

: AOC Locations

▲ MONITORING WELL LOCATIONS

NOTE: SURVEYED TO STATE PLANE COORDINATE SYSTEM



BY	DATE
DRAWN C.W.	7-02-01
CHECKED	
APPROVED	
APPROVED	



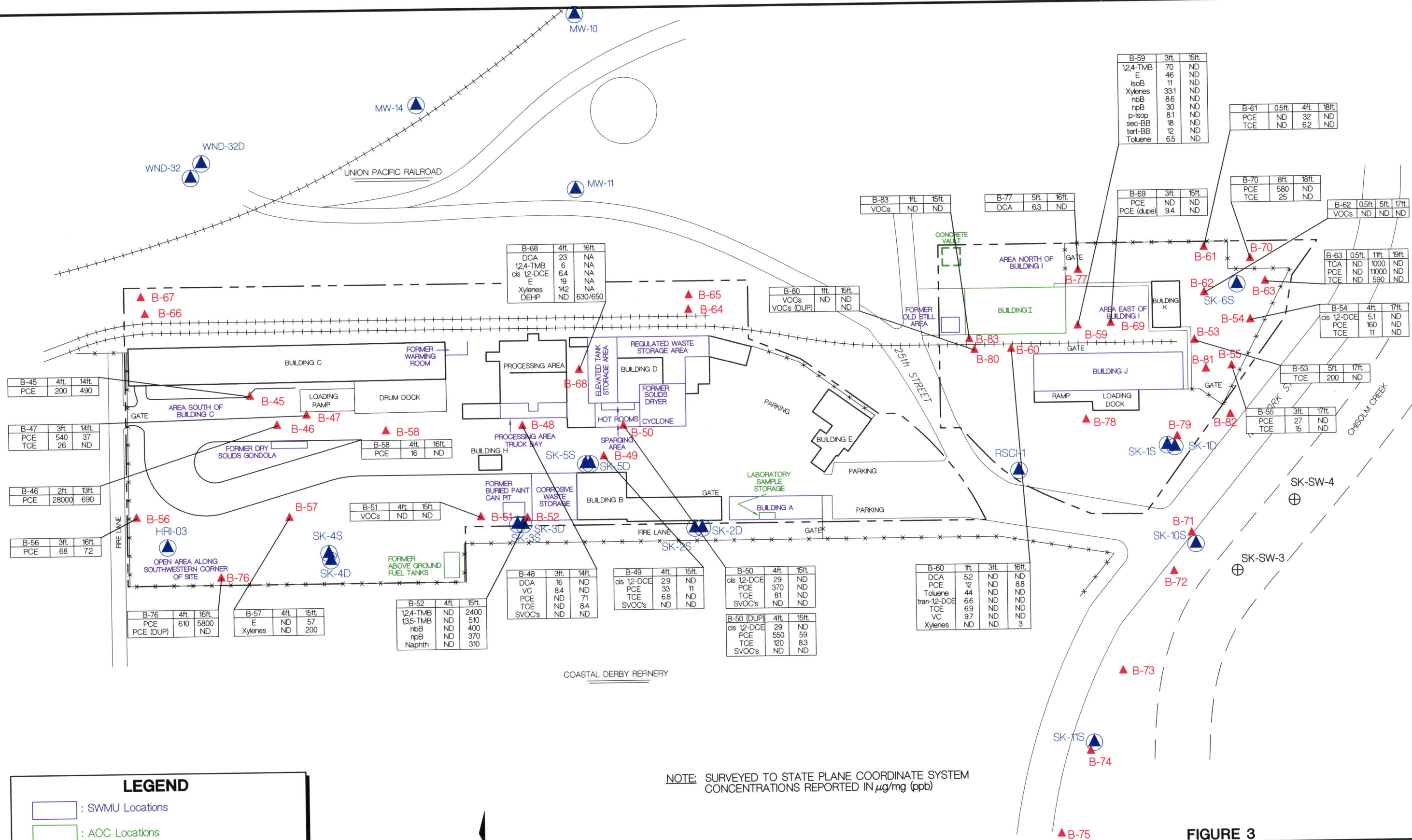
CAMERON-COLE

SAFETY-KLEEN - (WICHITA) FACILITY

**FIGURE 2
SITE MAP**

SCALE: 1" = 100'

DWG. NO.: 963231-0042



NOTE: SURVEYED TO STATE PLANE COORDINATE SYSTEM
CONCENTRATIONS REPORTED IN µg/mg (ppb)

FIGURE 3

SAFETY-KLEEN - (WICHITA) FACILITY
SOIL ANALYTICAL RESULTS FOR ORGANIC
CONSTITUENTS - NOVEMBER 2001

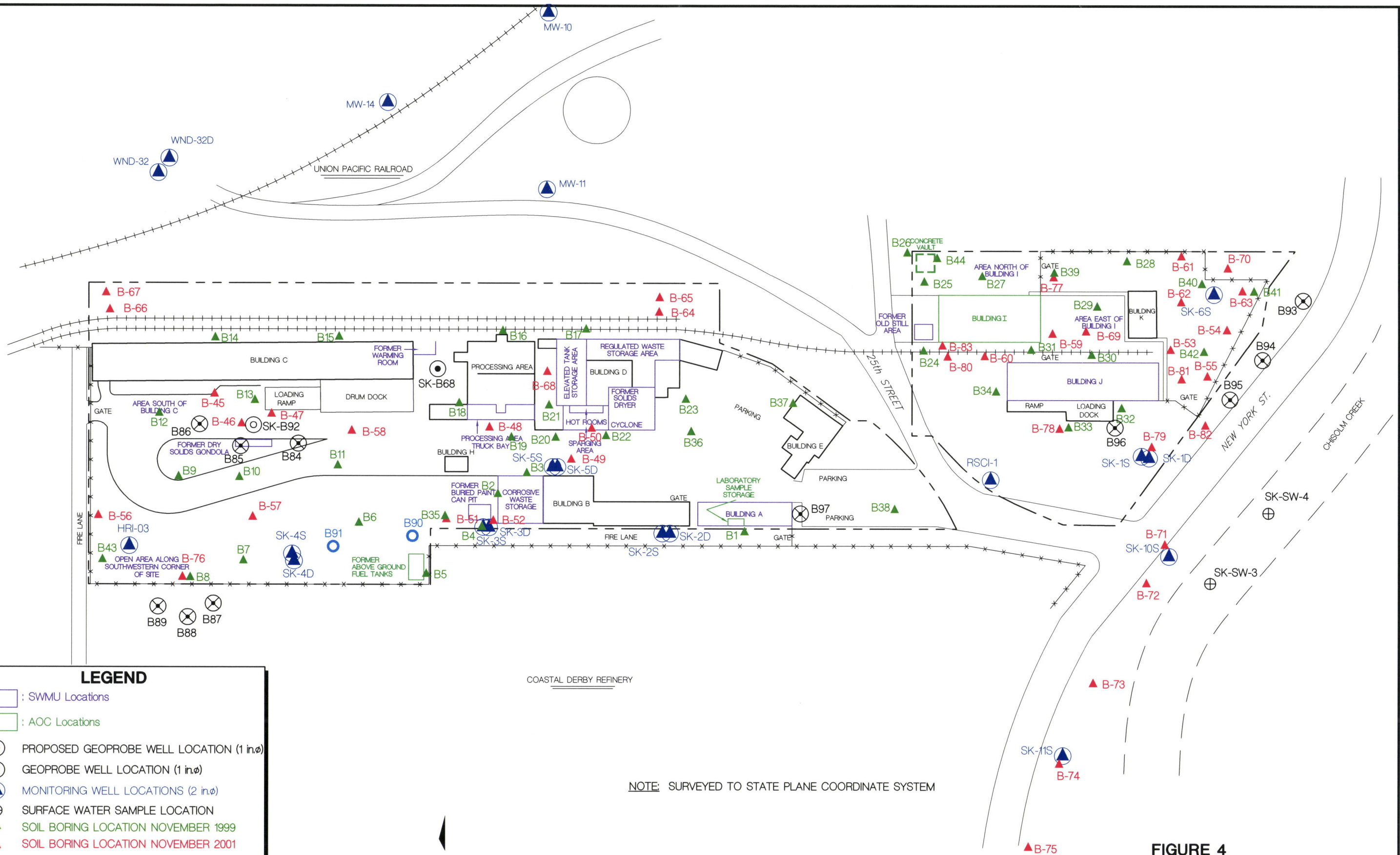
SCALE: 1" = 100'

DWG. NO: 1205-11

BY	DATE
DRAWN WRB	2/11/02
CHECKED	
APPROVED	
APPROVED	
APPROVED	



CAMERON-COLE

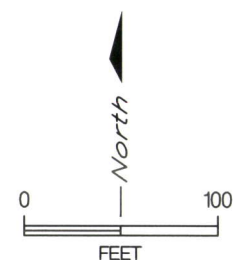


NOTE: SURVEYED TO STATE PLANE COORDINATE SYSTEM

FIGURE 4

LEGEND

- : SWMU Locations
- : AOC Locations
- PROPOSED GEOPROBE WELL LOCATION (1 in.Ø)
- GEOPROBE WELL LOCATION (1 in.Ø)
- ▲ MONITORING WELL LOCATIONS (2 in.Ø)
- ⊕ SURFACE WATER SAMPLE LOCATION
- ▲ SOIL BORING LOCATION NOVEMBER 1999
- ▲ SOIL BORING LOCATION NOVEMBER 2001
- PROPOSED GEOPROBE SAMPLING POINT FOR BOTH SOIL AND GROUNDWATER
- PROPOSED GEOPROBE SAMPLING POINT FOR GROUNDWATER ONLY



BY	DATE
DRAWN WRB	2/14/02
CHECKED	
APPROVED	
APPROVED	
APPROVED	



CAMERON-COLE

SAFETY-KLEEN - (WICHITA) FACILITY

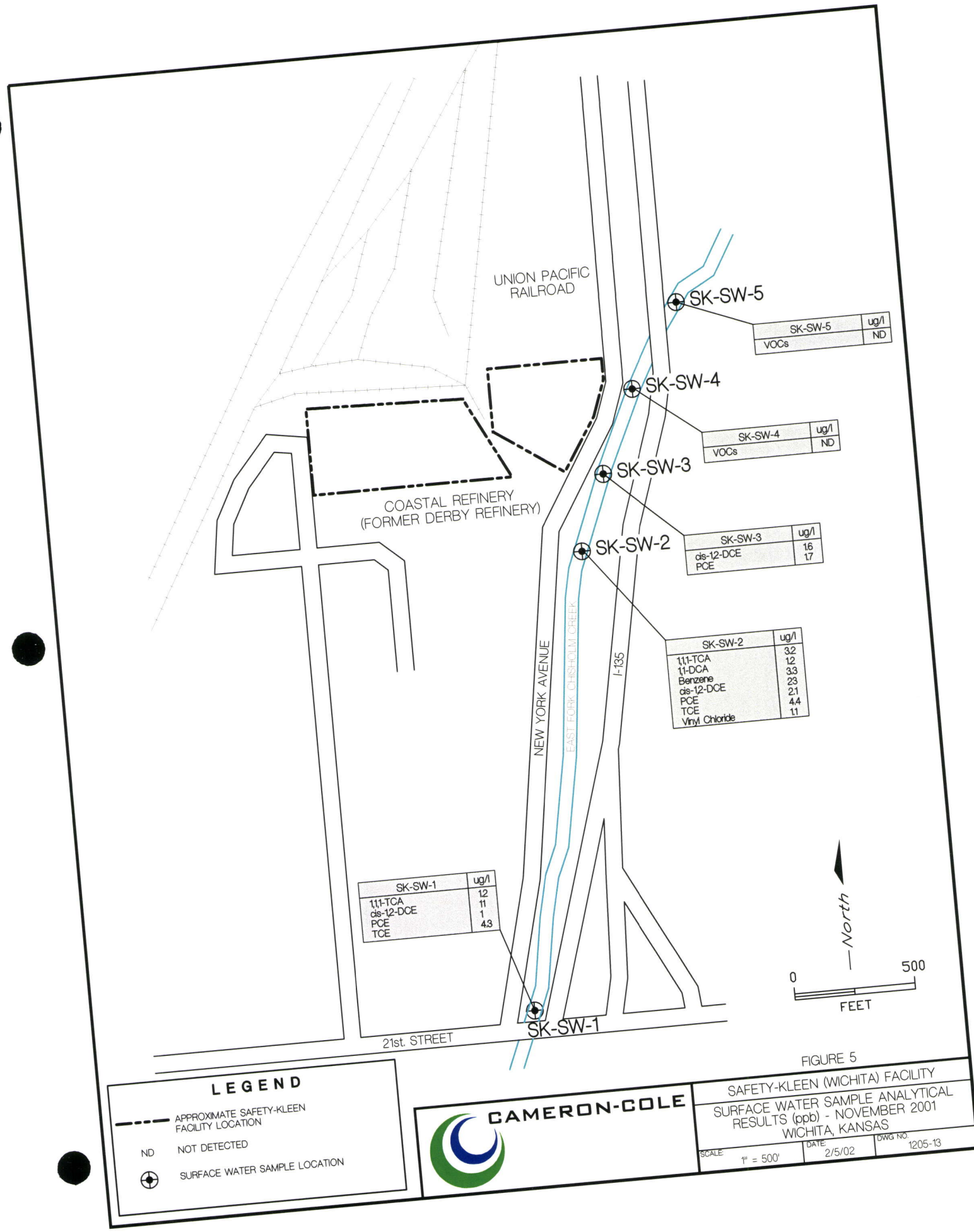
PROPOSED PHASE III RFI SOIL AND WATER GEOPROBE® SAMPLE LOCATIONS

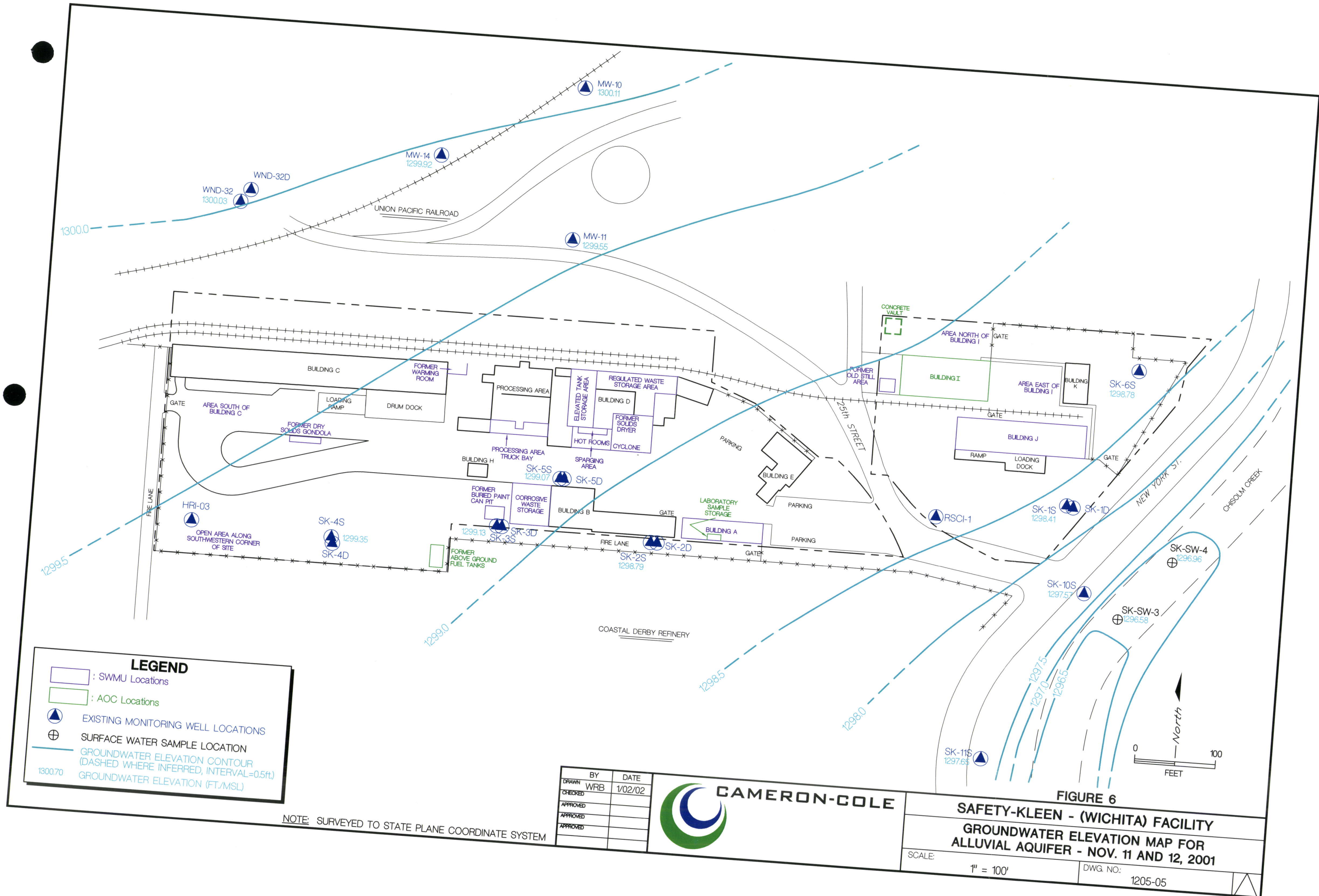
SCALE:

1" = 100'

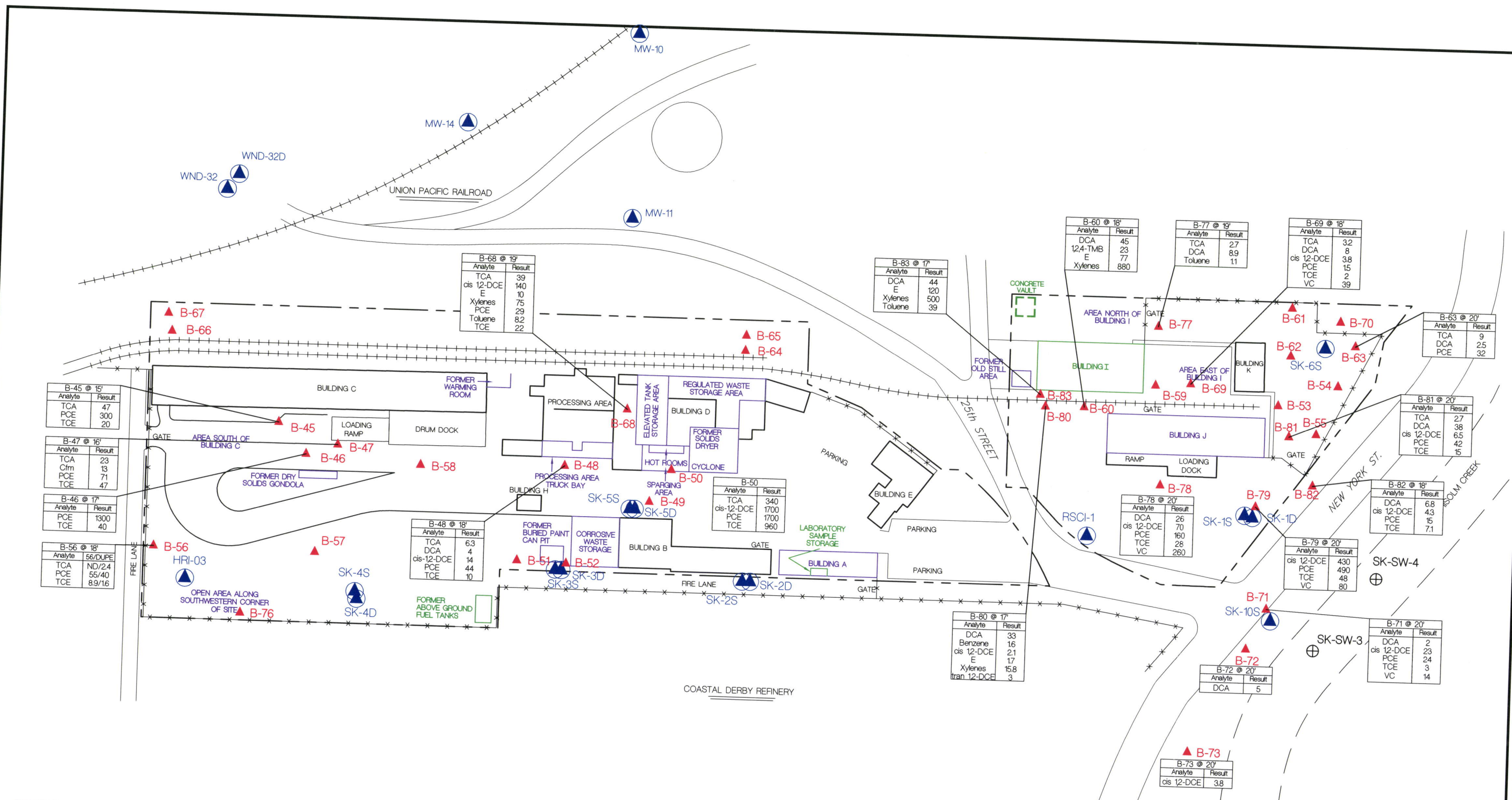
DWG. NO.:

1205-14









NOTE: SURVEYED TO STATE PLANE COORDINATE SYSTEM
CONCENTRATIONS REPORTED IN $\mu\text{g}/\text{mg}$ (ppb)

BY	DATE
DRAWN WRB	2-11-02
CHECKED	
APPROVED	
APPROVED	
APPROVED	



CAMERON-COLE

FIGURE 8

SAFETY-KLEEN - (WICHITA) FACILITY	
GROUNDWATER ANALYTICAL RESULTS FOR VOC's	
GEOPROBE WATER SAMPLES - NOVEMBER 2001	
SCALE:	DWG. NO:
1" = 100'	1205-10



FIGURE 9
Revised RFI Schedule
Safety-Kleen Wichita Facility
Wichita, Kansas

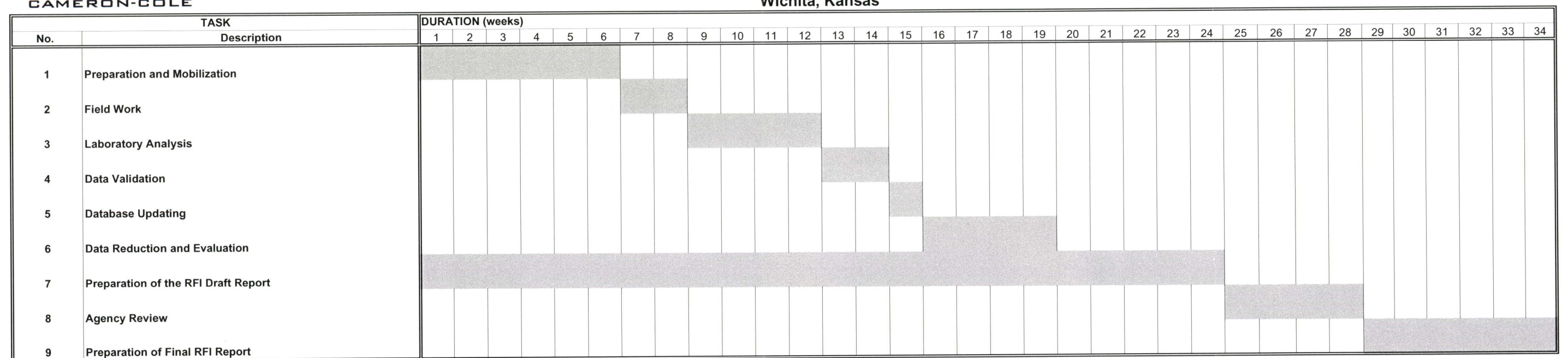


Table 1
Fluid Levels
RCRA Facility Investigation
Safety-Kleen (Wichita) Facility

Well ID	Date of Installation	Survey Coordinates		TOC Elevation	Rim Elevation (ft-msl)	Casing Diameter (inches)	Screened Interval (ft below TOC)	Oct-00		Apr-01	
		Northing	Easting					DTW (ft)	GW Elevation (ft-msl)	DTW (ft)	GW Elevation (ft-msl)
SK-1D	10/23/2000	1701433.03	1654158.09	1315.61	1315.87	2.00	33.5-38.5	15.65	1299.96	16.09	1299.52
SK-1S	10/23/2000	1701435.13	1654150.42	1315.43	1315.66	2.00	11.5-26.58	16.49	1298.94	16.44	1298.99
SK-2D	10/23/2000	1701352.84	1653651.39	1313.47	1313.75	2.00	32.75-37.75	14.62	1298.85	14.16	1299.31
SK-2S	10/24/2000	1701352.32	1653643.20	1313.51	1313.81	2.00	10.75-25.75	14.71	1298.80	14.25	1299.26
SK-3D	10/24/2000	1701358.20	1653459.78	1313.37	1313.67	2.00	32.7-39.7	13.25	1300.12	13.85	1299.52
SK-3S	10/23/2000	1701358.64	1653453.58	1313.33	1313.67	2.00	9.5-24.5	13.56	1299.77	13.65	1299.68
SK-4S	10/23/2000	1701330.43	1653252.27	1312.80	1313.03	2.00	6.75-21.75	12.12	1300.68	12.87	1299.93
SK-5D	10/24/2000	1701423.85	1653532.62	1313.65	1313.96	2.00	32.25-37.25	14.21	1299.44	13.98	1299.67
SK-5S	10/24/2000	1701423.92	1653527.32	1313.49	1314.03	2.00	8.5-23.5	13.78	1299.71	13.83	1299.66
SK-6S	10/23/2000	1701608.68	1654227.91	1316.98	1317.25	2.00	11.75-26.75	17.87	1299.11	17.55	1299.43
RSCI-1	NA	1701409.55	1653990.47	1315.49	1315.87	4.00	NA	NM	NM	16.11	1299.38
HRI-03	NA	1701323.78	1653072.28	1312.46	1312.53	2.00	NA	NM	NM	12.56	1299.90
WND-32	7/31/1991	1701737.09	1653110.92	1318.20	1318.75	4.00	14.00-24.00	NM	NM	17.50	1300.70
MW-10	5/19/1994	1701907.56	1653522.30	1318.11	1318.64	2.00	13.50-23.50	NM	NM	17.21	1300.90
MW-11	5/19/1994	1701719.78	1653520.73	1316.57	1316.89	2.00	14.00-24.00	NM	NM	16.33	1300.24
MW-14	10/5/1994	1701812.20	1653352.03	1317.74	1317.90	2.00	14.60-24.60	NM	NM	17.11	1300.63

DTW = Depth to Water

NA - Not Applicable; fully penetrating screens

NM - Not Measured

ft-msl = elevation in feet above mean sea level

TOC = Top of Casing

Survey in State Plane Coordinate System

Table 2
Soil Analytical Results
November 1999
Safety-Kleen (Wichita) Facility

Parameters		Practical Quantitation Limit	Test Method	B-1		B-2	B-3		B-4			B-5	B-6	B-7	B-8	B-9	B-10	B-11	B-12
				4"	16'	4"	3'	16'	4"	16'	16' Dup	4"	4"	4"	4"	4"	4"	4"	3'
Percent Moisture	%	0.5	D 2216-90	22.1	3.5	18.7	21	18.2	15.5	8.4	7.2	20.1	17.6	20.6	24	16.5	18.2	29.6	20.9
Corrosivity	No Units	1	9040B	7.2	--	6.8	6.8	--	6.8	7.6	7.6	6.6	5.9	6.2	6.3	6.5	6.4	6.1	6.8
RCRA Metals																			
Arsenic	mg/kg	30	6010B	--	NA	--	--	NA	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	20	6010B	221	NA	198	207	NA	171	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	0.5	6010B	--	NA	--	--	NA	0.63	--	--	180	155	158	238	192	223	189	234
Chromium	mg/kg	1	6010B	25.7	NA	19.8	20.2	NA	24.9	2.3	2.4	21.2	21.7	22.8	--	--	--	--	--
Lead	mg/kg	10	6010B	17.1	NA	15.7	12.3	NA	101	--	--	15.1	13.9	10	31	24.9	19.6	20.7	25.1
Mercury	mg/kg	0.1	7471A	--	NA	--	--	NA	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	1	6010B	--	NA	--	--	NA	--	--	--	--	--	--	--	--	--	66.9	12.8
Organic Constituents																			
VOCs																			
1,1,1-Trichloroethane	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	5	8260	--	--	--	--	--	--	55,000	14,000	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	5	8260	--	--	--	--	--	--	15,000	3,600	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	2.5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	ug/kg	25	8260	--	--	--	--	--	43	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	1000	8260	--	--	--	--	--	--	3,100	800	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	5	8260	--	--	--	--	--	--	1,000	--	--	--	--	--	--	--	--	--
m-Xylene & p-Xylene	ug/kg	5	8260	--	--	--	--	5.4	5	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene	ug/kg	5	8260	--	--	--	--	--	--	16,000	3,900	--	--	--	--	--	--	--	--
n-Propylbenzene	ug/kg	5	8260	--	--	--	--	--	--	4600 [®]	1200 [®]	--	--	--	--	--	--	--	--
o-Xylene	ug/kg	2.5	8260	--	--	--	--	--	--	5,900	1,400	--	--	--	--	--	--	--	--
p-Isopropyltoluene	ug/kg	5	8260	--	--	--	--	--	--	6,600	1,500	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	25	8260	--	--	6.2	--	8.1	--	--	--	--	12	--	51	11	31	72	--
trans-1,2-Dichloroethene	ug/kg	2.5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	5	8260	--	--	--	--	--	4.4	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	ug/kg	10	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SVOCs																			
bis(2-Ethylhexyl) phthalate	ug/kg	330	8270C	--	NA	NA	NA	NA	NA	12,000	4,800	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	3300	8270C	--	NA	NA	NA	NA	NA	NA	NA	--	1,100	--	--	--	--	--	NA
Pesticides																			
4,4'-DDE	ug/kg	17	8081A	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel																			
Diesel Range Organics	ug/kg	1700	8015B	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
[®] = Biased high due to a coeluting isomer.
 NA = Not Analyzed
 -- = Not detected

Table 2
Soil Analytical Results
November 1999
Safety-Kleen (Wichita) Facility

Parameters		Practical Quantitation Limit	Test Method	B-13		B-14	B-15	B-16	B-17	B-18		B-19		B-20			B-21		B-22		
				3'	12'	4"	3'	3'	3'	3'	3' Dup	3'	13'	3'	3' Dup	16'	3'	12'	3'	3' Dup	16'
Percent Moisture	%	0.5	D 2216-90	18.8	13.5	14.3	18.9	24	21	18.9	15.9	8.4	20.4	20.4	21.2	19	9.5	17.6	19.8	21.1	21.9
Corrosivity	No Units	1	9040B	5.5	--	6.3	6.1	6.2	6.1	5.8	6.6	7.6	--	6.6	6.4	--	7.7	--	7.4	7.1	--
RCRA Metals																					
Arsenic	mg/kg	30	6010B	--	NA	--	--	--	--	--	--	--	NA	--	--	--	--	NA	--	--	NA
Barium	mg/kg	20	6010B	181	NA	143	115	166	95	181	166	219	NA	148	152	NA	154	NA	184	157	NA
Cadmium	mg/kg	0.5	6010B	--	NA	--	--	--	--	--	--	--	NA	--	--	NA	--	NA	--	--	NA
Chromium	mg/kg	1	6010B	19	NA	23.3	20.4	20.1	20.3	21	18.8	20.8	NA	18.7	18.9	NA	15.1	NA	21.8	20.1	NA
Lead	mg/kg	10	6010B	15.5	NA	11.6	11.5	1,560	146	12.1	10.5	68.4	NA	13.6	10.7	NA	12.9	NA	10.2	26.2	NA
Mercury	mg/kg	0.1	7471A	--	NA	--	--	--	--	--	--	--	NA	--	--	NA	--	NA	--	--	NA
Silver	mg/kg	1	6010B	--	NA	--	--	--	2.4	--	--	--	NA	--	--	NA	--	NA	--	--	NA
Organic Constituents																					
VOCs																					
1,1,1-Trichloroethane	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	ug/kg	5	8260	--	--	--	--	--	--	--	--	67	--	--	31	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	2.5	8260	--	--	--	--	--	--	--	--	--	--	10	120	--	--	--	--	--	--
Ethylbenzene	ug/kg	25	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	28	26	18	21
Isopropylbenzene	ug/kg	1000	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	5	8260	28	--	5	--	--	--	--	5.2	--	5.1	--	--	--	--	--	--	--	--
m-Xylene & p-Xylene	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	26	5.5	--	--
n-Butylbenzene	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	ug/kg	2.5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Isopropyltoluene	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	5	8260	800	35	--	--	--	--	--	--	--	24	24	480	12	6,800	490	95	48	40
Toluene	ug/kg	25	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	2.5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	5	8260	--	--	--	--	52	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	ug/kg	10	8260	--	--	--	--	--	--	--	--	34	--	5.7	120	--	--	85	72	44	19
Naphthalene	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SVOCs																					
bis(2-Ethylhexyl) phthalate	ug/kg	330	8270C	NA	NA	NA	NA	NA	--	--	1000	9400	NA	--	--	NA	24,000	NA	NA	NA	NA
Dimethyl phthalate	ug/kg	3300	8270C	NA	NA	NA	NA	NA	--	--	--	8400	NA	--	--	NA	--	NA	NA	NA	NA
Pesticides																					
4,4'-DDE	ug/kg	17	8081A	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	--	NA	NA	NA	NA	NA	NA
Diesel																					
Diesel Range Organics	ug/kg	1700	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	--	NA	NA	NA	NA	NA	NA

Notes:
 * = Biased high due to a coeluting isomer.
 NA = Not Analyzed
 -- = Not detected

Table 2
Soil Analytical Results
November 1999
Safety-Kleen (Wichita) Facility

Parameters		Practical Quantitation Limit	Test Method	B-23			B-24		B-25		B-26	B-27		B-28	B-29		B-30		B-31
				3'	8'	8' Dup	0-3"	6'	11'	15'	10'	3'	15'	4"	4"	13'	4"	16'	5'
Percent Moisture	%	0.5	D 2216-90	21.9	17	22.3	10.8	14.5	19.1	12.6	18.5	18.3	7.2	26.7	5.6	10.4	5.5	16	18.6
Corrosivity	No Units	1	9040B	6.7	--	--	7.4	7.7	7.3	--	7.6	6.4	--	7.1	8.5	--	7.4	--	7.3
RCRA Metals																			
Arsenic	mg/kg	30	6010B	--	NA	NA	49.2	--	--	NA	--	--	NA	--	--	NA	--	--	--
Barium	mg/kg	20	6010B	202	NA	NA	44.1	150	63.9	NA	103	314	NA	232	134	NA	110	NA	305
Cadmium	mg/kg	0.5	6010B	--	NA	NA	46.8	--	--	NA	--	--	NA	--	--	NA	37.3	NA	--
Chromium	mg/kg	1	6010B	21.3	NA	NA	33.7	15	8.1	NA	11.7	22.8	NA	25.9	14.5	NA	39.7	NA	17.4
Lead	mg/kg	10	6010B	46.6	NA	NA	392	--	--	NA	--	12.6	NA	13.8	10.1	NA	319	NA	20.9
Mercury	mg/kg	0.1	7471A	--	NA	NA	0.27	--	--	NA	--	--	NA	--	0.77	NA	0.11	NA	--
Silver	mg/kg	1	6010B	--	NA	NA	--	--	--	NA	--	1.4	NA	--	--	NA	--	NA	1.1
Organic Constituents																			
VOCs																			
1,1,1-Trichloroethane	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	93
1,2-Dichlorobenzene	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	21
1,3,5-Trimethylbenzene	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	35
Chlorobenzene	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	2.5	8260	78	--	7.3	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	ug/kg	25	8260	--	--	--	440	--	--	6.5	--	--	--	--	--	--	11	18	--
Isopropylbenzene	ug/kg	1000	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.5
Methylene chloride	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
m-Xylene & p-Xylene	ug/kg	5	8260	--	--	--	700	23	--	32	--	--	14	--	--	--	--	5	--
n-Butylbenzene	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	50
n-Propylbenzene	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 ^o
o-Xylene	ug/kg	2.5	8260	--	--	--	560	7.3	--	12	--	--	8.3	--	--	--	--	--	7
p-Isopropyltoluene	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	24
sec-Butylbenzene	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7.6
Tetrachloroethene	ug/kg	5	8260	--	--	--	--	--	--	--	--	35	7.6	--	--	--	38	27	110
Toluene	ug/kg	25	8260	--	--	--	56	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	2.5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	ug/kg	10	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	28	--
Naphthalene	ug/kg	5	8260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	37
SVOCs																			
bis(2-Ethylhexyl) phthalate	ug/kg	330	8270C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	ug/kg	3300	8270C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides																			
4,4'-DDE	ug/kg	17	8081A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	17	NA	NA
Diesel																			
Diesel Range Organics	ug/kg	1700	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
^o = Biased high due to a coeluting isomer.
 NA = Not Analyzed
 -- = Not detected

Table 2
Soil Analytical Results
November 1999
Safety-Kleen (Wichita) Facility

				B-32	B-33		B-34	B-35		B-36	B-37	B-38	B-39	B-40		B-41	B-42	B-43	B-44	
				0-3"	0-3'	15'	0-3'	6'	13'	3'	3'	3'	4"	4"	16'	4"	4"	4"	11'	15'
Parameters		Practical Quantitation Limit	Test Method																	
Percent Moisture	%	0.5	D 2216-90	22.3	20.7	8.4	22.8	13.2	20.3	24.2	21.7	23.2	11.1	14.6	7.8	13.9	18.4	23.4	11.9	3.4
Corrosivity	No Units	1	9040B	7	6.8	—	6.7	7.1	—	7.4	6.5	7.8	7.8	7.2	—	6.9	7.4	6.4	6.9	—
RCRA Metals																				
Arsenic	mg/kg	30	6010B	—	—	NA	—	—	NA	—	—	—	—	—	NA	—	—	—	—	NA
Barium	mg/kg	20	6010B	189	319	NA	191	67.9	NA	163	172	98.4	86.5	344	NA	369	185	202	38.4	NA
Cadmium	mg/kg	0.5	6010B	—	—	NA	—	—	NA	—	—	—	0.69	3.3	NA	1.6	—	—	—	NA
Chromium	mg/kg	1	6010B	21.1	21.4	NA	21.6	11.8	NA	18.7	22.8	10.3	17	91.7	NA	60.4	19.7	24.5	12	NA
Lead	mg/kg	10	6010B	15	20.3	NA	12.2	296	NA	—	15.6	25.8	19.8	7800	NA	320	16.6	15	—	NA
Mercury	mg/kg	0.1	7471A	—	—	NA	—	—	NA	—	—	—	—	0.23	NA	0.16	—	—	0.4	NA
Silver	mg/kg	1	6010B	1	1.1	NA	—	—	NA	—	—	—	—	3	NA	1.4	—	1	—	NA
Organic Constituents																				
VOCs																				
1,1,1-Trichloroethane	ug/kg	5	8260	—	—	—	—	—	—	—	—	—	—	—	—	—	18	—	—	—
1,1-Dichloroethane	ug/kg	5	8260	—	—	—	—	—	—	—	—	—	5	—	—	—	—	—	—	—
1,2,4-Trimethylbenzene	ug/kg	5	8260	—	—	—	—	—	—	—	—	—	—	—	—	—	5.9	—	—	—
1,2-Dichlorobenzene	ug/kg	5	8260	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1,3,5-Trimethylbenzene	ug/kg	5	8260	—	—	—	—	—	—	—	—	—	—	—	—	—	25	—	—	—
Chlorobenzene	ug/kg	5	8260	—	—	—	—	1,200	5.6	—	—	—	—	—	—	—	—	—	—	—
cis-1,2-Dichloroethene	ug/kg	2.5	8260	4.6	3	—	3	—	—	3	12	—	8.4	—	—	—	—	—	—	—
Ethylbenzene	ug/kg	25	8260	—	—	—	—	—	—	—	—	—	—	—	—	—	8.7	—	—	—
Isopropylbenzene	ug/kg	1000	8260	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Methylene chloride	ug/kg	5	8260	—	—	—	—	—	—	—	—	—	—	5.7	—	—	—	—	—	—
m-Xylene & p-Xylene	ug/kg	5	8260	—	—	—	—	—	—	—	—	—	—	—	—	—	18	—	—	—
n-Butylbenzene	ug/kg	5	8260	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
n-Propylbenzene	ug/kg	5	8260	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
o-Xylene	ug/kg	2.5	8260	—	—	—	—	—	—	—	—	—	—	—	—	—	80	—	—	—
p-Isopropyltoluene	ug/kg	5	8260	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
sec-Butylbenzene	ug/kg	5	8260	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tetrachloroethene	ug/kg	5	8260	16	110	—	9.4	—	—	—	—	—	—	9.7	9.2	25	13	—	—	—
Toluene	ug/kg	25	8260	—	—	—	—	—	—	—	—	—	—	—	—	—	7.6	—	—	—
trans-1,2-Dichloroethene	ug/kg	2.5	8260	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Trichloroethene	ug/kg	5	8260	6.6	29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Vinyl Chloride	ug/kg	10	8260	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Naphthalene	ug/kg	5	8260	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SVOCs																				
bis(2-Ethylhexyl) phthalate	ug/kg	330	8270C	—	NA	NA	NA	—	NA	NA	NA	NA	NA	NA	NA	NA	NA	—	NA	NA
Dimethyl phthalate	ug/kg	3300	8270C	—	NA	NA	NA	—	NA	NA	NA	NA	NA	NA	NA	NA	NA	—	NA	NA
Pesticides																				
4,4'-DDE	ug/kg	17	8081A	—	—	NA	—	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel																				
Diesel Range Organics	ug/kg	1700	8015B	—	NA	NA	NA	NA	NA	2100	—	—	NA	NA	NA	NA	NA	NA	NA	NA

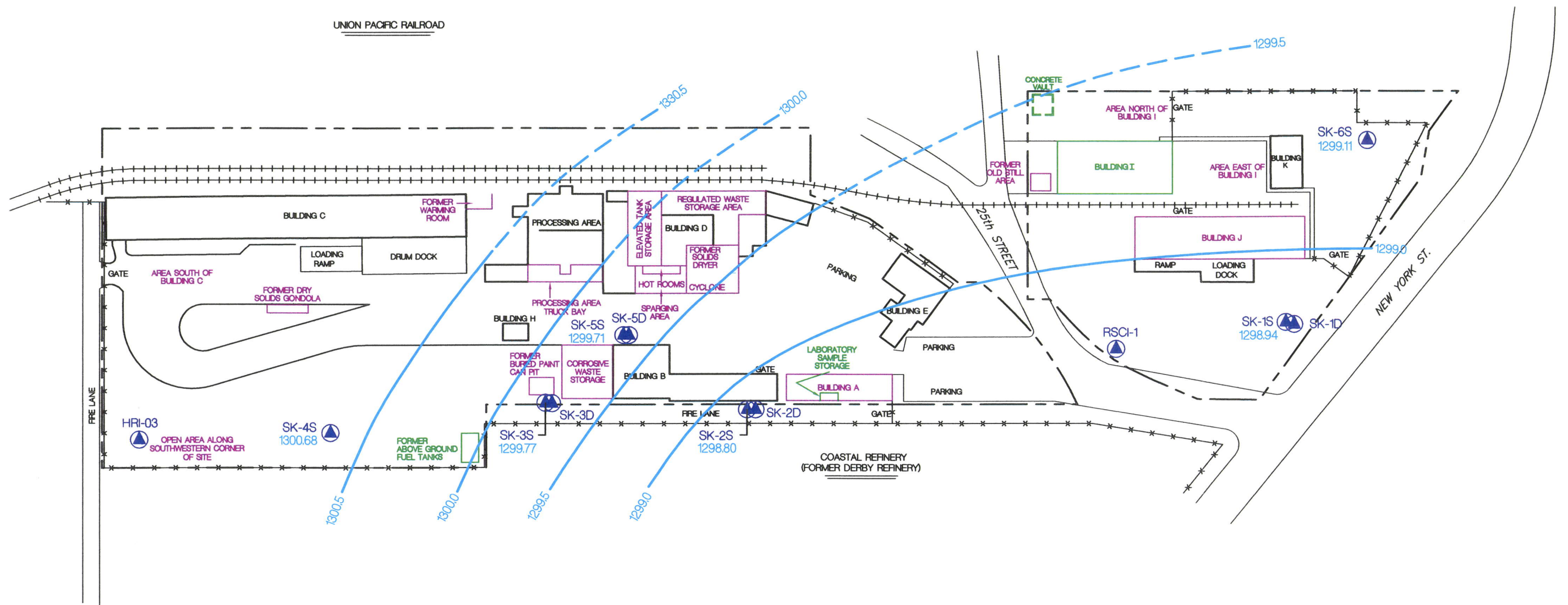
Notes:
 * = Biased high due to a coeluting isomer.
 NA = Not Analyzed
 — = Not detected

Table 3
Sampling Details
RCRA Facility Investigation
Safety-Kleen (Wichita) Facility

Boring ID	Location Description	GeoProbe Soil Sampling Depths			Soil Sample Analyses			GeoProbe Groundwater Sampling Depths			Groundwater Sample Analyses	Surface Water Sampling
		Ground Surface (0-6 inches)	3 to 5 feet	Just Above Water Table	VOCs	PAHs*	Inorganics (RCRA Metals)	Upper 5 feet of water table	Approx. 5 ft. above Shale *	Perched Zone (app. 4' - 6')	VOCs	Analyze for VOCs
B-45	Building C Loading Ramp		X	X	X			X			X	
B-46	Building C Loading Ramp		X	X	X			X			X	
B-47	Building C Loading Ramp		X	X	X			X			X	
B-48	South of Processing Area		X	X	X	X		X			X	
B-49	South of Processing Area		X	X	X	X						
B-50	South of Processing Area		X	X	X	X		X			X	
B-51	Former Paint Can Burial Pit		X	X	X							
B-52	Former Paint Can Burial Pit		X	X	X							
B-53	East of Buildings J and K		X	X	X							
B-54	East of Buildings J and K		X	X	X		X					
B-55	East of Buildings J and K		X	X	X							
B-56	Southwest Portion of Site		X	X	X			X			X	
B-57	Southwest Portion of Site		X	X	X							
B-58	Southwest Portion of Site (near B-11)		X	X	X							
B-59	Spur Between Bldgs. I & J		X	X	X					X	X	
B-60	Spur Between Bldgs. I & J	X	X	X	X		X	X		X	X	
B-61	Far Northeast Corner of Facility	X	X	X	X		X					
B-62	Far Northeast Corner of Facility	X	X	X	X		X					
B-63	Far Northeast Corner of Facility	X	X	X	X		X	X			X	
B-64	Rail Spur Along North Property Boundary	X	X	X			X					
B-65	Rail Spur Along North Property Boundary	X	X	X			X					
B-66	Rail Spur Along North Property Boundary	X	X	X			X					
B-67	Rail Spur Along North Property Boundary	X	X	X			X					
B-68	Processing Area & Building D		X	X		X	X	X				
B-69	Area east of Building I		X	X	X		X	X		X	X	
B-70	Northeasternmost Corner of Site		X	X	X		X					
B-71	Along New York Street							X	X		X	
B-72	Along New York Street							X	X		X	
B-73	Along New York Street							X	X		X	
B-74	Along New York Street							X	X		X	
B-75	Along New York Street							X	X		X	
B-76	Southwest Portion of Site		X	X	X							
B-77	Northeast of Building I (near B-39)		X	X	X			X				
B-78	South of Building J (near former B-33)							X			X	
B-79	Near former EB-5 boring							X			X	
B-80	West of Building I	X		X	X			X			X	
SK-SW-1	North of 21st Street--East Fork Chisolm Creek											X
SK-SW-2	SE of site -- East Fork Chisolm Creek											X
SK-SW-3	E of southern site boundary--East Fork Chisolm Creek											X
SK-SW-4	E of NE corner of site -- East Fork Chisolm Creek											X
SK-SW-5	Upgradient of site/E of I35--East Fork Chisolm Creek											X

* PAHs will be analyzed by Method 8270 and only bis(2-ethylhexyl)phthalate and dimethyl phthalate values will be reported

* Sample will be collected near base of the alluvial aquifer, just above the shale and or deep clay (weathered bedrock)



LEGEND

: SWMU Locations

: AOC Locations

▲ MONITORING WELL LOCATIONS

1300.68 SHALLOW GROUNDWATER ELEVATION (FT. MSL)

— GROUNDWATER ELEVATION CONTOUR

NOTE: SURVEYED TO STATE PLANE COORDINATE SYSTEM
CONTOURS BASED ON SHALLOW GROUNDWATER MEASUREMENTS

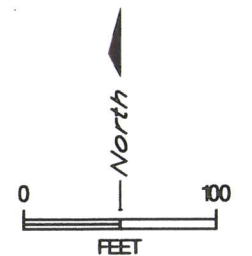


FIGURE 5



BY	DATE		SAFETY-KLEEN - (WICHITA) FACILITY				
DRAWN	CJJ					CONTOURED GROUNDWATER ELEVATION MAP FOR THE SHALLOW ZONE - OCTOBER 25, 2000	
CHECKED	7-02-01						
APPROVED							
APPROVED							
APPROVED			SCALE:	1" = 100'	DWG. NO:	963231-0026	

Table 4
Groundwater Analytical Results for Detected Volatile Organic Compounds
October 2000
Safety-Kleen (Wichita) Facility

Parameter Name	Units	Practical Quantitation Limit	SK-1S	SK-1D	SK-2S	SK-2D	SK-2D (DUP)	SK-3S	SK-3D	SK-4S	SK-5S	SK-5D	SK-6S
Dilution Factor			1	1	1	10	10	1	2	10	4	3.3	1
Volatile Organic Compounds													
1,1,1-Trichloroethane	ug/L	< 1.0	-	-	6.3	-	-	1.7	7.0	15.0	-	-	-
1,1-Dichloroethane	ug/L	< 1.0	-	-	2.3	-	-	-	-	-	-	-	1.7
1,1-Dichloroethene	ug/L	< 1.0	-	-	1.2	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ug/L	< 1.0	-	-	-	-	-	-	-	-	120.0	270.0	-
1,3,5-Trimethylbenzene	ug/L	< 1.0	-	-	-	-	-	-	-	-	42.0	86.0	-
Bromodichloromethane	ug/L	< 1.0	-	-	-	-	-	-	2.2	-	-	-	-
Carbon tetrachloride	ug/L	< 1.0	-	-	-	-	-	-	-	-	6.3	-	-
Chlorodibromomethane	ug/L	< 1.0	-	-	-	-	-	-	2.7	-	-	-	-
Chloroform	ug/L	< 1.0	-	-	-	-	-	-	2.5	-	20.0	-	-
cis-1,2-Dichloroethene	ug/L	< 1.0	-	2.2	38.0	58.0	53.0	13.0	18.0	23.0	8.2	10.0	-
Ethylbenzene	ug/L	< 1.0	-	-	-	-	-	-	-	-	33.0	33.0	-
Isopropylbenzene	ug/L	< 1.0	-	-	-	-	-	-	-	-	-	9.2	-
m-Xylene & p-Xylene	ug/L	< 2.0	-	-	-	-	-	-	-	-	-	9.2	-
Naphthalene	ug/L	< 1.0	-	-	-	-	-	-	-	-	120.0	90.0	-
n-Butylbenzene	ug/L	< 1.0	-	-	-	-	-	-	-	-	15.0	26.0	-
n-Propylbenzene	ug/L	< 1.0	-	-	-	-	-	-	-	-	-	14.0	-
o-Xylene	ug/L	< 1.0	-	-	-	-	-	-	-	-	12.0	40.0	-
p-Isopropyltoluene	ug/L	< 1.0	-	-	-	-	-	-	-	-	41.0	23.0	-
Tetrachloroethene	ug/L	< 1.0	1.4	3.2	31.0	20.0	13.0	17.0	66.0	160.0	6.0	-	-
Toluene	ug/L	< 1.0	-	-	-	-	-	-	-	-	54.0	9.9	-
Trichloroethene	ug/L	< 1.0	-	-	19.0	240.0	290.0	7.4	42.0	33.0	63.0	74.0	-

Notes:

NA = Not analyzed

*- = Results were below reporting limits

Analysis by USEPA SW-846 Method 8260B

Table 5
Groundwater Analytical Results for Detected Volatile Organic Compounds
April 2001
Safety-Kleen (Wichita) Facility

Parameter Name	Units	Practical Quantitation Limit	SK-1S	SK-1S NP	SK-1S AP	SK-1D	SK-2S	SK-2D	SK-3S	SK-3D	SK-3Z (DUP - 3D)	SK-4S
Sample Date			Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01
Dilution Factor			1			1						
Volatile Organic Compounds												
1,1,1-Trichloroethane	ug/L	< 1.0	-	-	-	-	150.0	-	-	-	-	24.0
1,1-Dichloroethane	ug/L	< 1.0	-	-	-	-	35.0	-	-	-	-	5.9
1,1-Dichloroethene	ug/L	< 1.0	-	-	-	-	-	-	-	-	-	5.9
1,2,3-Trichlorobenzene	ug/L	< 1.0	-	-	-	-	26.0	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	< 1.0	-	-	-	-	22.0	-	-	-	-	-
1,2,4-Trimethylbenzene	ug/L	< 1.0	-	-	-	-	-	-	130.0	-	-	-
1,3,5-Trimethylbenzene	ug/L	< 1.0	-	-	-	-	-	-	35.0	-	-	-
1,3-Dichlorobenzene	ug/L	< 1.0	-	-	-	-	23.0	-	-	-	-	-
Benzene	ug/L	< 1.0	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	ug/L	< 1.0	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	< 1.0	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	< 1.0	1.2	1.8	-	-	730.0	42.0	-	12.0	13.0	17.0
Ethylbenzene	ug/L	< 1.0	-	-	-	-	-	-	67.0	-	-	-
Methylene chloride	ug/L	< 1.0	-	-	-	-	-	-	-	-	-	-
m-Xylene & p-Xylene	ug/L	< 2.0	-	-	-	-	-	-	230.0	-	-	-
Naphthalene	ug/L	< 1.0	-	-	-	-	29.0	-	-	-	-	-
n-Propylbenzene	ug/L	< 1.0	-	-	-	-	-	-	20.0	-	-	-
o-Xylene	ug/L	< 1.0	-	-	-	-	-	-	88.0	-	-	-
Tetrachloroethene	ug/L	< 1.0	3.4	9.9	3.4	-	600.0	-	11.0	-	2.0	110.0
Toluene	ug/L	< 1.0	-	-	-	-	-	-	200.0	-	-	-
Trichloroethene	ug/L	< 1.0	-	1.0	-	-	390.0	270.0	46.0	90.0	94.0	18.0
Vinyl chloride	ug/L	< 1.0	1.8	-	-	-	-	-	-	-	-	-

Notes:

NA = Not analyzed

*- = Results were below reporting limits

Analysis by USEPA SW-846 Method 8260B

Duplicate analytical results for surface water sampling conducted by KDHE are provided on Figure 4

Table 5
Groundwater Analytical Results for Detected Volatile Organic Compounds
April 2001
Safety-Kleen (Wichita) Facility

Parameter Name	Units	Practical Quantitation Limit	SK-4Z (DUP - 4S)	SK-5S	SK-5D	SK-6S	SK-SW-1	SK-SW-2	SK-SW-3	SK-SW-5	RSCI-1	HRI-03
Sample Date			Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01
Dilution Factor						1						
Volatile Organic Compounds												
1,1,1-Trichloroethane	ug/L	< 1.0	24.0	5.9	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	< 1.0	-	2.4	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	< 1.0	5.6	1.2	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/L	< 1.0	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	< 1.0	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ug/L	< 1.0	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ug/L	< 1.0	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	< 1.0	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	< 1.0	-	-	-	-	1.4	-	-	-	-	4.3
Carbon tetrachloride	ug/L	< 1.0	-	-	-	-	-	-	-	-	-	7.0
Chloroform	ug/L	< 1.0	-	-	-	-	-	-	-	-	-	2.6
cis-1,2-Dichloroethene	ug/L	< 1.0	-	37.0	25.0	-	3.3	3.4	-	1.0	-	13.0
Ethylbenzene	ug/L	< 1.0	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	< 1.0	-	-	-	-	-	-	-	-	-	-
m-Xylene & p-Xylene	ug/L	< 2.0	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	< 1.0	-	-	-	-	1.0	-	-	-	-	-
n-Propylbenzene	ug/L	< 1.0	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	< 1.0	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	< 1.0	98.0	46.0	-	-	-	-	-	-	-	11.0
Toluene	ug/L	< 1.0	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	< 1.0	17.0	22.0	180.0	-	3.9	3.8	3.8	4.7	3.1	95.0
Vinyl chloride	ug/L	< 1.0	-	-	-	-	-	-	-	-	-	-

Notes:

NA = Not analyzed

** = Results were below reporting limits

Analysis by USEPA SW-846 Method 8260B

Duplicate analytical results for surface water sampling conducted by k

Table 5
Groundwater Analytical Results for Detected Volatile Organic Compounds
April 2001
Safety-Kleen (Wichita) Facility

Parameter Name	Units	Practical Quantitation Limit	UPMW-10 Apr-01	UPMW-11 Apr-01	UPMW-14 Apr-01	WND-32 Apr-01
Sample Date						
Dilution Factor						
Volatile Organic Compounds						
1,1,1-Trichloroethane	ug/L	< 1.0	-	-	-	-
1,1-Dichloroethane	ug/L	< 1.0	-	-	-	-
1,1-Dichloroethene	ug/L	< 1.0	-	-	-	-
1,2,3-Trichlorobenzene	ug/L	< 1.0	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	< 1.0	-	-	-	-
1,2,4-Trimethylbenzene	ug/L	< 1.0	-	-	-	-
1,3,5-Trimethylbenzene	ug/L	< 1.0	-	-	-	-
1,3-Dichlorobenzene	ug/L	< 1.0	-	-	-	-
Benzene	ug/L	< 1.0	-	-	-	-
Carbon tetrachloride	ug/L	< 1.0	-	-	-	17.0
Chloroform	ug/L	< 1.0	-	-	-	44.0
cis-1,2-Dichloroethene	ug/L	< 1.0	-	-	-	1.3
Ethylbenzene	ug/L	< 1.0	-	-	-	-
Methylene chloride	ug/L	< 1.0	-	-	-	1.2
m-Xylene & p-Xylene	ug/L	< 2.0	-	-	-	-
Naphthalene	ug/L	< 1.0	140.0	-	-	-
n-Propylbenzene	ug/L	< 1.0	-	-	-	-
o-Xylene	ug/L	< 1.0	-	-	-	-
Tetrachloroethene	ug/L	< 1.0	-	-	-	-
Toluene	ug/L	< 1.0	-	-	-	-
Trichloroethene	ug/L	< 1.0	-	-	11.0	13.0
Vinyl chloride	ug/L	< 1.0	-	-	-	-

Notes:

NA = Not analyzed

**- Results were below reporting limits

Analysis by USEPA SW-846 Method 8260B

Duplicate analytical results for surface water sampling conducted by k

Table 6
Groundwater Analytical Results for Detected Inorganic Parameters
October 2000
Safety-Kleen (Wichita) Facility

Parameter Name	Units	Method	SK-1S	SK-1D	SK-2S	SK-2D	SK-2D (DUP)	SK-3S	SK-3D	SK-4S	SK-5S	SK-5D	SK-6S
Inorganics													
Alkalinity, Bicarbonate	mg/L	310.1	252.0	238.0	445.0	325.0	NR	353.0	75.0	360.0	274.0	178.0	396.0
Alkalinity, Carbonate	mg/L	310.1	-	-	-	-	-	-	27.9	-	-	-	-
Alkalinity, Total	mg/L	310.1	252.0	238.0	445.0	325.0	NR	353.0	103.0	360.0	274.0	178.0	396.0
Calcium (Dissolved)	mg/L	6010B	116.0	108.0	135.0	141.0	h	128.0	65.5	128.0	102.0	70.1	110.0
Chloride	mg/L	325.2	58.8	84.5	122.0	65.8	NR	98.0	111.0	48.4	50.5	78.7	117.0
Iron (Dissolved)	mg/L	6010B	-	-	-	-	-	-	-	2.2	-	-	-
Iron (Total)	mg/L	6010B	88.2 J	1.5 J	22.7 J	0.84 J	0.84 J	10.1 J	0.60 J	212 J	123 J	2.1 J	121 J
Magnesium (Dissolved)	mg/L	6010B	42.2	42.8	36.9	54.5	55.3	34.2	15.9	38.3	37.0	25.0	41.7
Manganese	mg/L	6010B	1.1	0.6	3.5	1.5	1.5	2.7	0.025 J	6.0	2.1	0.7	5.2
Manganese (Dissolved)	mg/L	6010B	0.1	0.6	3.1	1.6	1.6	2.0	0.11 J	3.2	1.0	0.6	2.8
Methane	ug/L	SOP-175	0.6	2.3	340.0	7.9	4.7	41.0	4.2	200.0	5.0	3.3	180.0
Nitrogen, Nitrate	mg/L	353.2	2.0	2.7	-	3.3	NR	0.8	2.0	0.8	6.3	7.0	-
Potassium (Dissolved)	mg/L	6010B	-	10.1	4.0	4.4	4.5	6.4	7.6	3.3	3.4	5.5	3.4
Sulfate	mg/L	375.4	244.0	296.0	76.0	268.0	NR	163.0	142.0	143.0	153.0	121.0	105.0
Total Dissolved Solids	mg/L	160.1	934.0	906.0	878.0	927.0	NR	810.0	510.0	540.0	796.0	586.0	850.0
Total Organic Carbon	mg/L	415.1	1.2	2.2	3.1	2.2	NR	2.5	3.6	4.2	2.3	2.5	3.3

Notes:

N/A = Not analyzed

J = Value estimated due to quality control issues (see Data Validation discussion).

NR=Not Requested

Table 7
Groundwater Analytical Results -- Inorganic Parameters
April 2001
Safety-Kleen (Wichita) Facility

Parameter Name	Units	Method	SK-1S	SK-1D	SK-2S	SK-2D	SK-3S	SK-3D	SK-3Z (DUP - 3D)	SK-4S	SK-4Z (DUP - 4S)
Inorganics			Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01
Alkalinity, Bicarbonate	mg/L	310.1	289.0	274.0	428.0	321.0	308.0	265.0	275.0	39.0	386.0
Alkalinity, Total	mg/L	310.1	289.0	274.0	428.0	321.0	308.0	265.0	275.0	383.0	386.0
Ammonia as N	mg/L	350.1	-	-	0.1	-	0.1	-	-	-	0.1
Calcium (Dissolved)	mg/L	6010B	116.0	160.0	145.0	146.0	110.0	109.0	103.0	144.0	143.0
Chloride	mg/L	325.2	69.0	53.3	109.0	65.0	61.5	53.0	53.4	32.0	32.3
Ethane	ug/L	SOP-175	-	-	-	-	-	-	-	-	-
Iron (Dissolved)	mg/L	6010B	-	-	-	-	1.4	-	-	-	-
Iron (Total)	mg/L	6010B	81.4	0.6	216.0	4.7	181.0	8.7	7.1	435.0	495.0
Magnesium (Dissolved)	mg/L	6010B	45.5	62.8	36.9	58.3	39.3	41.2	39.0	37.5	39.2
Manganese	mg/L	6010B	1.7	0.1	7.3	0.8	2.5	0.5	0.5	5.9	6.9
Manganese (Dissolved)	mg/L	6010B	0.9	0.1	3.0	0.7	1.0	0.4	0.3	1.9	1.9
Methane	ug/L	SOP-175	50.0	0.7	200 E	9.9	11.0	0.7	0.6	3.3	3.4
Methane D	ug/L	SOP-175	-	-	160 D	-	-	-	-	-	-
Nitrogen, Nitrate	mg/L	353.2	1.2	2.0	-	3.2	4.8	6.7	6.6	2.4	2.1
Potassium (Dissolved)	mg/L	6010B	-	3.1	3.5	-	3.9	-	-	-	-
Sulfate	mg/L	375.4	261.0	391.0	138.0	316.0	183.0	195.0	174.0	172.0	200.0
Total Dissolved Solids	mg/L	160.1	1230.0	944.0	1090.0	972.0	829.0	736.0	738.0	1040.0	970.0
Total Organic Carbon	mg/L	415.1	1.8	1.2	3.3	1.1	3.9	1.3	1.4	5.9	4.0

Notes:

N/A = Not analyzed

J = Value estimated due to quality control issues (see Data Validation discussion).

NR=Not Requested

Table 7
Groundwater Analytical Results -- Inorganic Parameters
April 2001
Safety-Kleen (Wichita) Facility

Parameter Name	Units	Method	SK-5S	SK-5D	SK-6S	RSCI-1	HRI-03	UPMW-10	UPMW-11	UPMW-14	WND-32
Inorganics			Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01
Alkalinity, Bicarbonate	mg/L	310.1	500.0	299.0	445.0	328.0	298.0	450.0	116.0	459.0	321.0
Alkalinity, Total	mg/L	310.1	500.0	299.0	445.0	328.0	298.0	450.0	116.0	459.0	321.0
Ammonia as N	mg/L	350.1	0.2	-	-	-	-	0.3	0.1	0.4	0.2
Calcium (Dissolved)	mg/L	6010B	136.0	122.0	118.0	135.0	123.0	98.8	287.0	119.0	124.0
Chloride	mg/L	325.2	136.0	54.8	77.4	77.9	60.7	53.3	6.7	51.1	108.0
Ethane	ug/L	SOP-175	-	-	-	-	-	0.8	-	-	-
Iron (Dissolved)	mg/L	6010B	1.2	-	-	-	0.3	1.2	-	6.8	-
Iron (Total)	mg/L	6010B	48.9	1.3	123.0	12.8	4.6	188.0	152.0	285.0	51.8
Magnesium (Dissolved)	mg/L	6010B	37.4	49.1	43.9	53.2	45.4	27.1	19.1	31.1	31.8
Manganese	mg/L	6010B	3.9	0.5	6.2	0.9	1.0	3.8	1.4	5.7	4.9
Manganese (Dissolved)	mg/L	6010B	2.7	0.6	3.0	0.2	0.0	1.1	-	2.8	2.0
Methane	ug/L	SOP-175	210 E	1.2	9.8	0.9	0.8	520 E	1.4	420 E	3.0
Methane D	ug/L	SOP-175	170 D	-	-	-	-	1300 D	-	850 D	-
Nitrogen, Nitrate	mg/L	353.2	-	4.6	1.4	3.4	2.6	-	2.4	-	6.7
Potassium (Dissolved)	mg/L	6010B	4.2	-	3.1	3.5	-	-	3.0	-	5.1
Sulfate	mg/L	375.4	33.5	228.0	107.0	228.0	229.0	10.3	741.0	29.0	164.0
Total Dissolved Solids	mg/L	160.1	928.0	878.0	1020.0	862.0	781.0	592.0	313.0	488.0	693.0
Total Organic Carbon	mg/L	415.1	2.9	1.4	2.7	2.0	3.9	14.6	10.9	12.9	7.4

Notes:

N/A = Not analyzed

J = Value estimated due to quality control issues (see

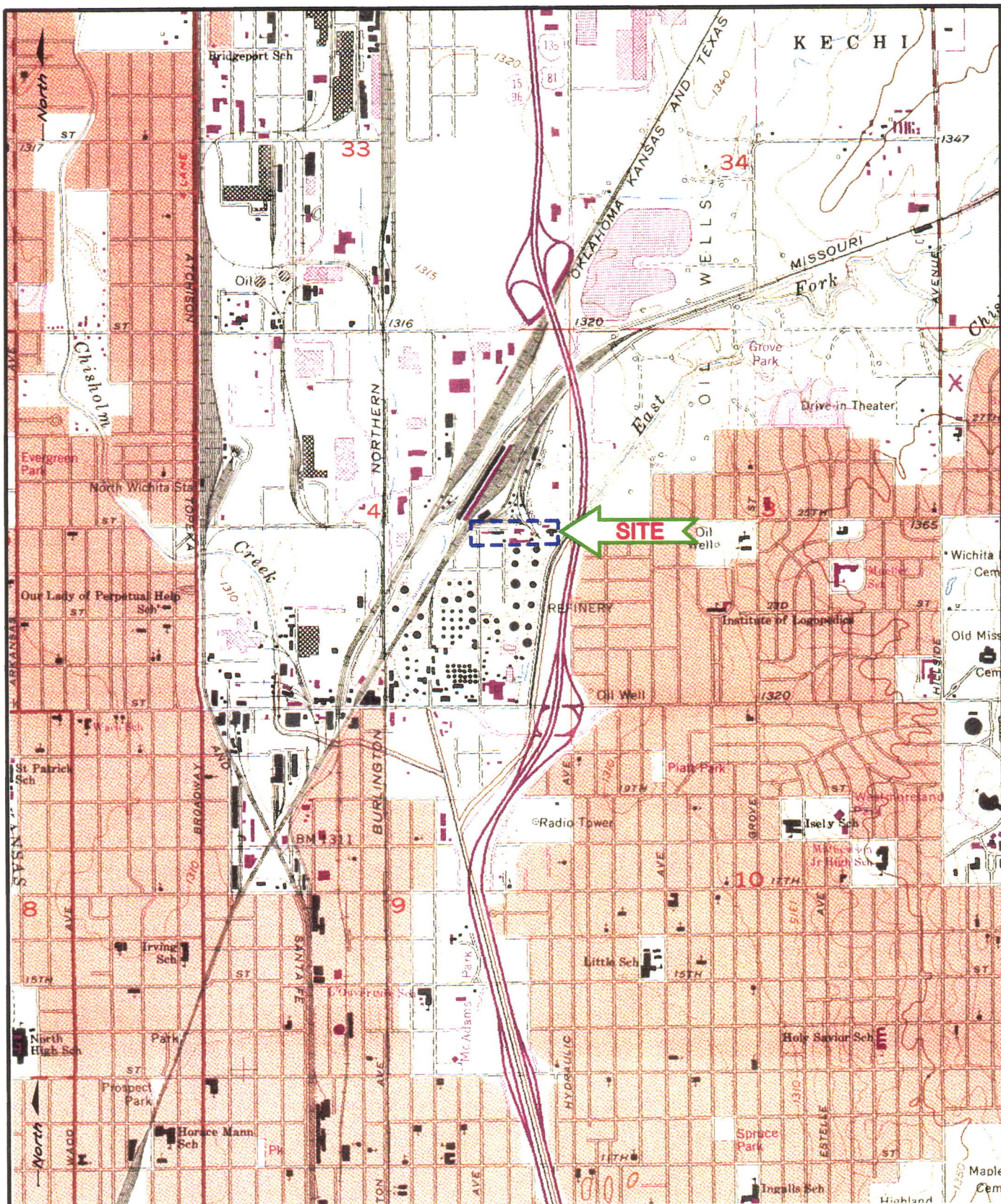
NR=Not Requested

Table 8
Groundwater Analytical Results for Selected Offsite Wells and Geoprobe Locations
Safety-Kleen (Wichita) Facility

Parameter	Units	GP10F-02 March 10, 2000		GP10F-03 March 9, 2000		GP10F-04 March 9, 2000						
		(CDM)	(CDM)	(CDM)	(CDM)	(CDM)	(SKC)	(CDM)	(SKC)	(CDM)	(SKC)	(CDM)
		24-26'	26-35'	15-17'	24-26'	26-36'	18-20'	18-20'	24-26'	24-26'	33-35'	33-35'
1,1,1-Trichloroethane	ug/L	-	-	2.7	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	-	-	2	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	-	-	1.7	-	-	-	1.1	-	5.1	-	2.8
1,1-Dichloroethene	ug/L	-	-	-	-	-	-	-	-	2.8	-	-
1,2-Dichloroethane	ug/L	-	-	1.4	-	-	-	-	-	2.2	-	-
2,2-Dichloropropane	ug/L	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	-	-	32	26	1.3	410	310	-	24	-	3.1
Carbon tetrachloride	ug/L	-	-	20	15	2.2	-	-	-	-	-	-
Chloroethane	ug/L	-	-	-	-	-	-	-	-	1.2	-	-
Chloroform	ug/L	-	-	28	15	2	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	1.5	29	26	16	21	-	4.6	36	36	60	54
Ethylbenzene	ug/L	-	-	-	-	-	670	380	-	23	-	1.5
Methylene chloride	ug/L	-	-	1.5	-	-	-	-	-	-	-	-
m-Xylene & p-Xylene	ug/L	-	-	-	-	-	110	63	-	4.3	-	-
Naphthalene	ug/L	-	-	-	-	-	170	-	-	-	-	-
n-Propylbenzene	ug/L	-	-	-	-	-	100	-	-	-	-	-
o-Xylene	ug/L	-	-	-	-	-	-	6.1	-	-	-	-
Tetrachloroethene	ug/L	-	1.8	52	7.1	1.7	-	-	76	70	-	1.6
Toluene	ug/L	-	-	-	-	-	-	28	-	1.8	-	-
trans-1,2-Dichloroethene	ug/L	-	3.2	1.3	-	2.2	-	-	-	2.6	-	2
Trichloroethene	ug/L	-	130	70	68	70	-	-	-	37	-	8.3
Vinyl chloride	ug/L	-	-	1.6	-	-	-	1.7	-	6.7	-	13

Table 8
Groundwater Analytical Results for Selected Offsite Wells and Geoprobe Locations
Safety-Kleen (Wichita) Facility

Parameter	GP10F-05									
	March 9, 2000									
	(SKC)	(CDM)	(SKC)	(CDM)	(SKC)	(CDM)	MW-1	MW-3	MW-380	RW-20
	15-17'	15-17'	21-24'	21-24'	32-35'	32-35'	July 6, 2000	July 6, 2000	July 6, 2000	July, 2000
1,1,1-Trichloroethane	-	-	-	11	-	-	-	-	-	-
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	5.3	-	8.6	-	-	-	-	2.9	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	45	-	-	-	-	-	-	-	-
2,2-Dichloropropane	-	-	-	-	-	-	-	2.7	-	-
Benzene	2700	1500	38	40	-	2	-	-	-	-
Carbon tetrachloride	-	-	-	-	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	1.6	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	2.4	44	42	-	14	4.5	2.2
Ethylbenzene	330	250	59	4.6	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-
m-Xylene & p-Xylene	230	210	-	-	-	-	-	-	-	-
Naphthalene	190	-	-	-	-	-	-	-	-	-
n-Propylbenzene	100	-	-	-	-	-	-	-	-	-
o-Xylene	-	18	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	3.5	-	-	4.2	1.2
Toluene	120	85	-	2.5	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	4.5	-	-	-	-
Trichloroethene	-	-	-	3.9	310	260	-	-	1.3	3.6
Vinyl chloride	-	-	-	3.1	-	-	-	-	-	-



MAP ADAPTED FROM U.S.G.S 7.5 SERIES
QUADRANGLE WICHITA EAST, KANSAS



0 2000
FEET



CAMERON-COLE

SAFETY-KLEEN (WICHITA) FACILITY

FIGURE 1
SITE LOCATION MAP
WICHITA, KANSAS

SCALE 1" = 2000'	DATE 8/30/01	DWG NO. 963231-LOCMAP
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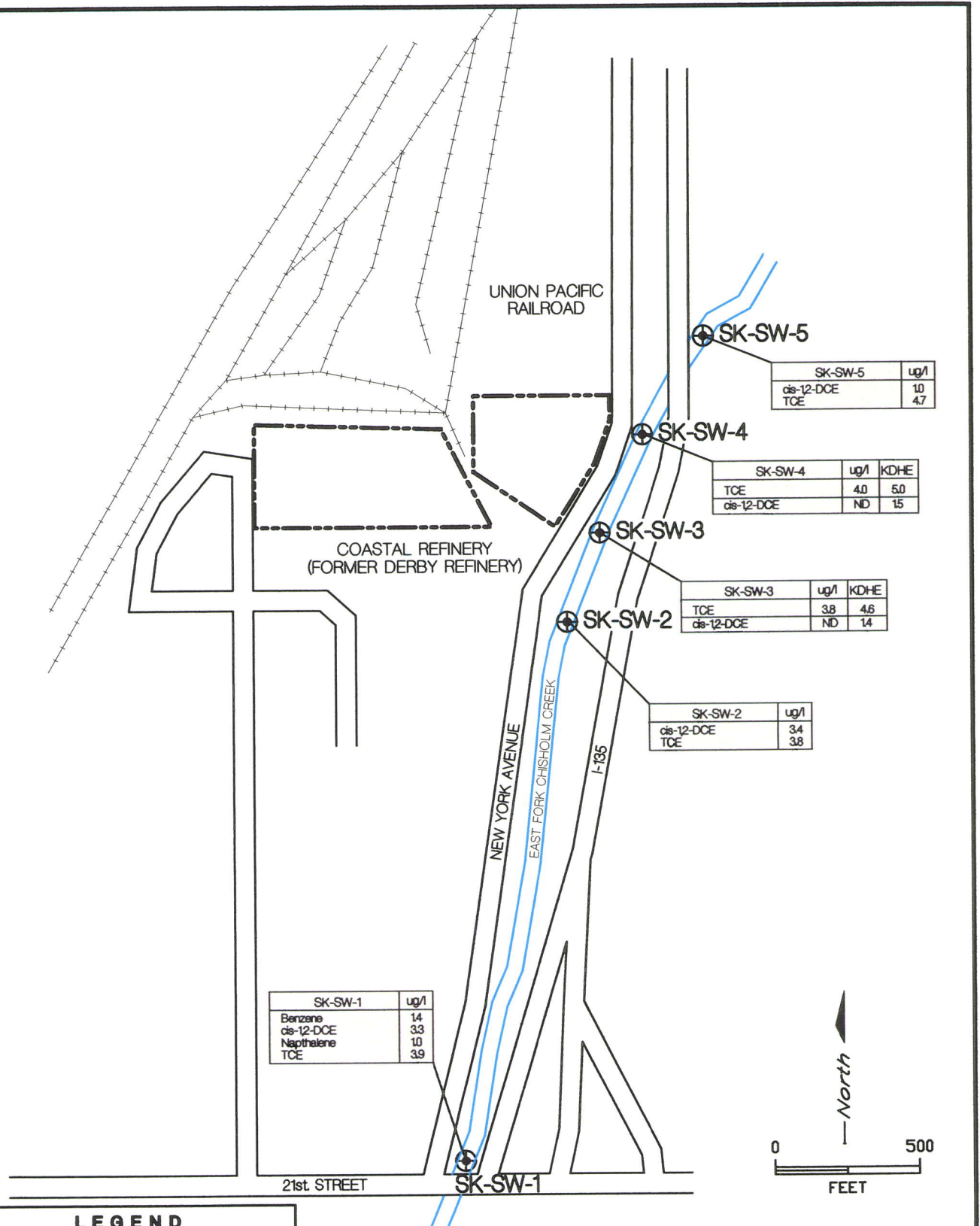


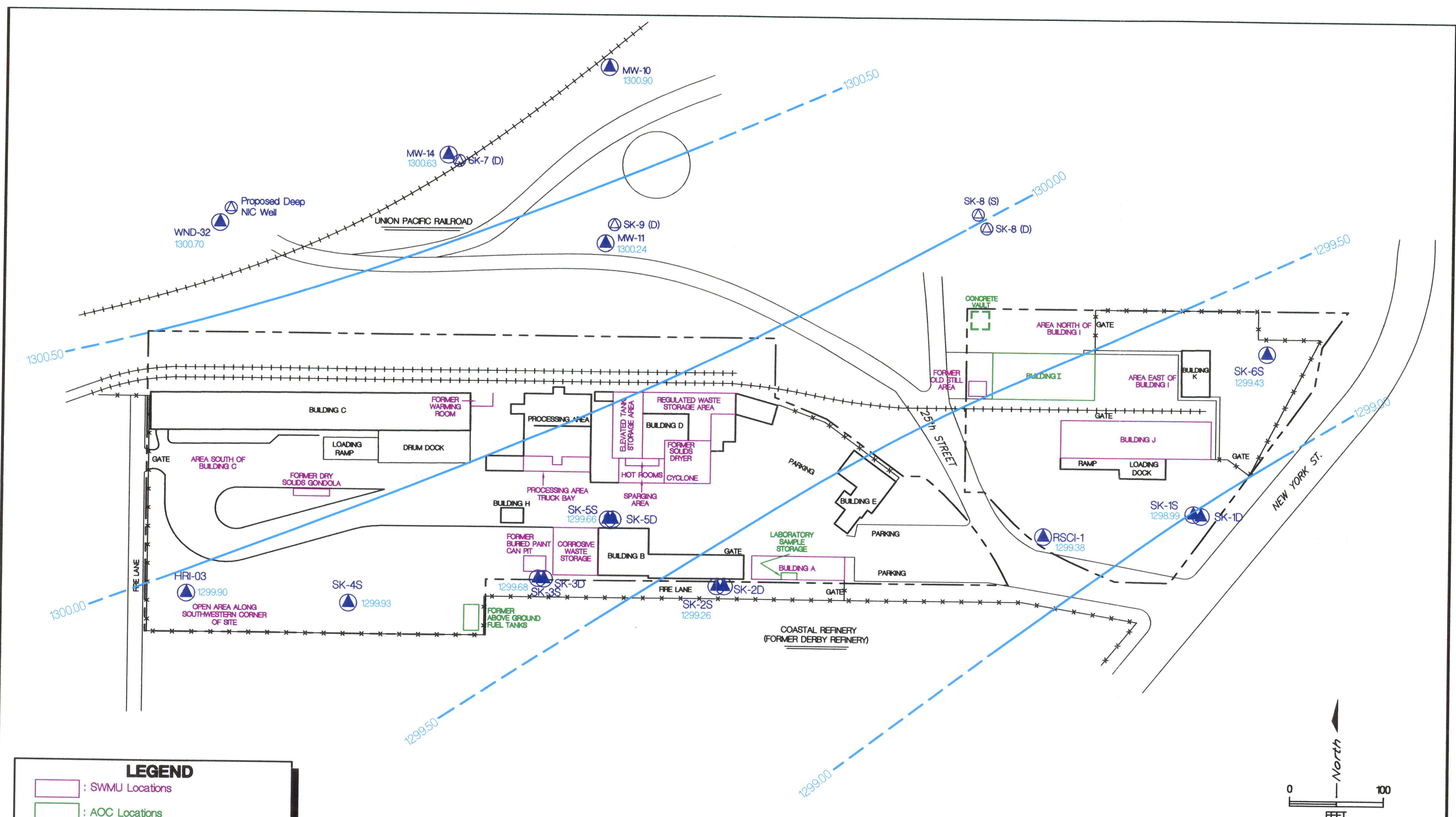
FIGURE 4



CAMERON-COLE

SAFETY-KLEEN (WICHITA) FACILITY
SURFACE WATER SAMPLE LOCATIONS
WITH VOC CONCENTRATIONS (4/25/01)
WICHITA, KANSAS

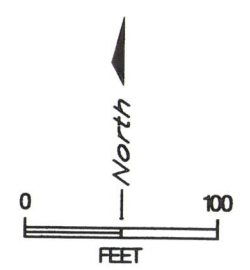
SCALE: 1" = 500' DATE: 8/30/01 DWG. NO.: 963231-0034



LEGEND

: SWMU Locations
 : AOC Locations
 : EXISTING MONITORING WELL LOCATIONS
 : PROPOSED MONITORING WELLS
 : GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
 : GROUNDWATER ELEVATION (FT./MSL)

NOTE: SURVEYED TO STATE PLANE COORDINATE SYSTEM



BY	DATE
CJJ	7-02-01
CHECKED	
APPROVED	
APPROVED	
APPROVED	



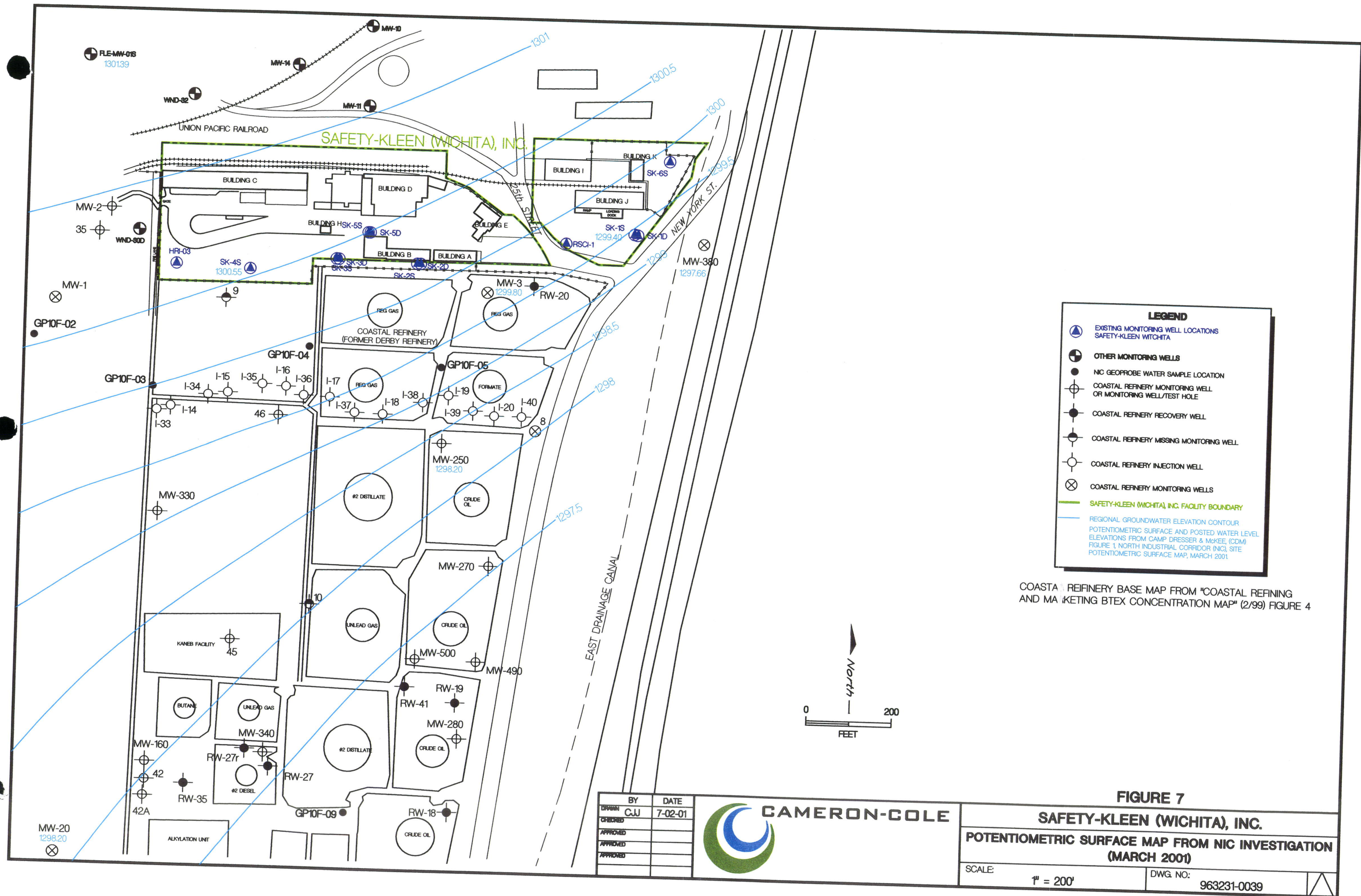
FIGURE 6

SAFETY-KLEEN - (WICHITA) FACILITY

CONTOURED GROUNDWATER ELEVATION MAP FOR THE SHALLOW ZONE - APRIL 25, 2001

SCALE: 1" = 100'

DWG. NO: 963231-0036

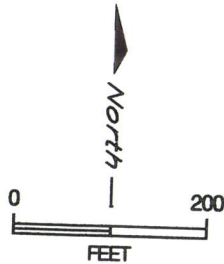


LEGEND

- EXISTING MONITORING WELL LOCATIONS SAFETY-KLEEN WICHITA
- OTHER MONITORING WELLS
- NIC GEOPROBE WATER SAMPLE LOCATION
- COASTAL REFINERY MONITORING WELL OR MONITORING WELL/TEST HOLE
- COASTAL REFINERY RECOVERY WELL
- COASTAL REFINERY MISSING MONITORING WELL
- COASTAL REFINERY INJECTION WELL
- COASTAL REFINERY MONITORING WELLS
- SAFETY-KLEEN (WICHITA), INC. FACILITY BOUNDARY
- REGIONAL GROUNDWATER ELEVATION CONTOUR

POTENTIOMETRIC SURFACE AND POSTED WATER LEVEL ELEVATIONS FROM CAMP DRESSER & MCKEE, (CDM) FIGURE 1, NORTH INDUSTRIAL CORRIDOR (NIC), SITE POTENTIOMETRIC SURFACE MAP, MARCH 2001.

COASTAL REFINERY BASE MAP FROM "COASTAL REFINING AND MARKETING BTEX CONCENTRATION MAP" (2/99) FIGURE 4



BY	DATE
CDM	7-02-01
CHECKED	
APPROVED	
APPROVED	
APPROVED	

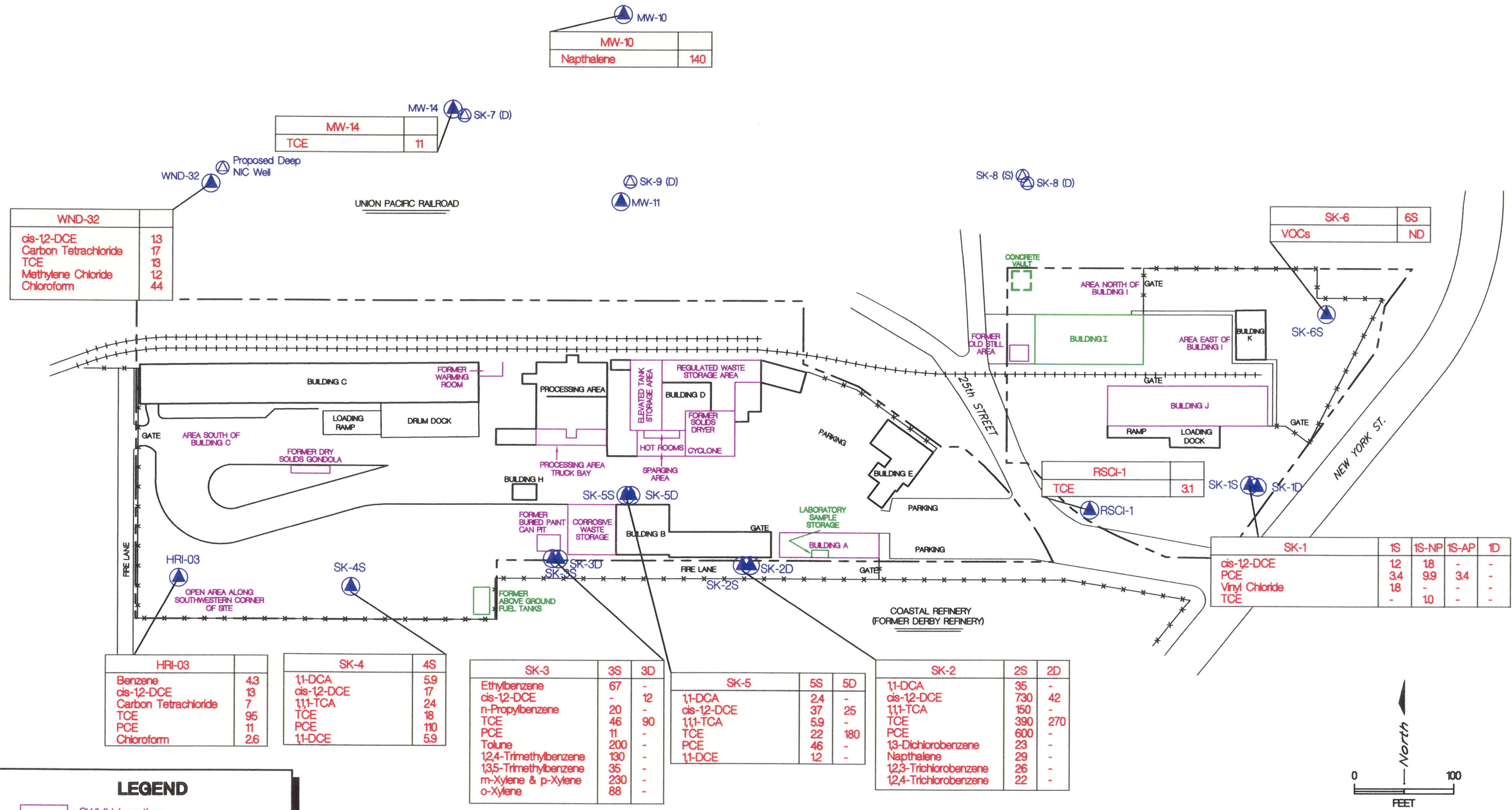


CAMERON-COLE

FIGURE 7

SAFETY-KLEEN (WICHITA), INC.
POTENTIOMETRIC SURFACE MAP FROM NIC INVESTIGATION
(MARCH 2001)

SCALE: 1" = 200' DWG. NO: 963231-0039



NOTES: Sample 1S-NP is a discrete interval sample collected before purging the well at 18.5 feet below ground surface (bgs).
 Sample 1S-AP is a discrete sample collected after purging the well at 18.5 feet below ground surface (bgs).

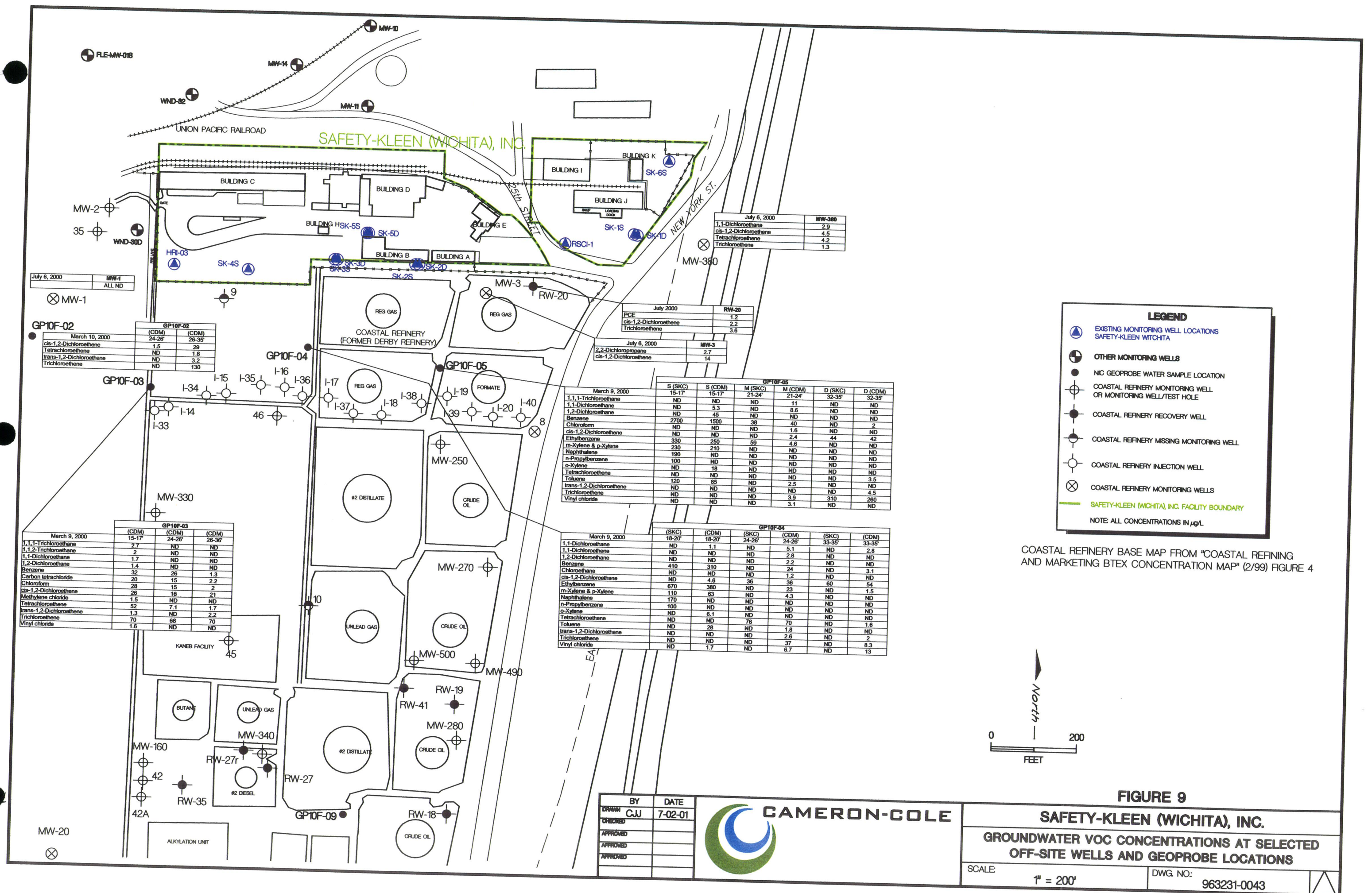
NOTE: SURVEYED TO STATE PLANE COORDINATE SYSTEM

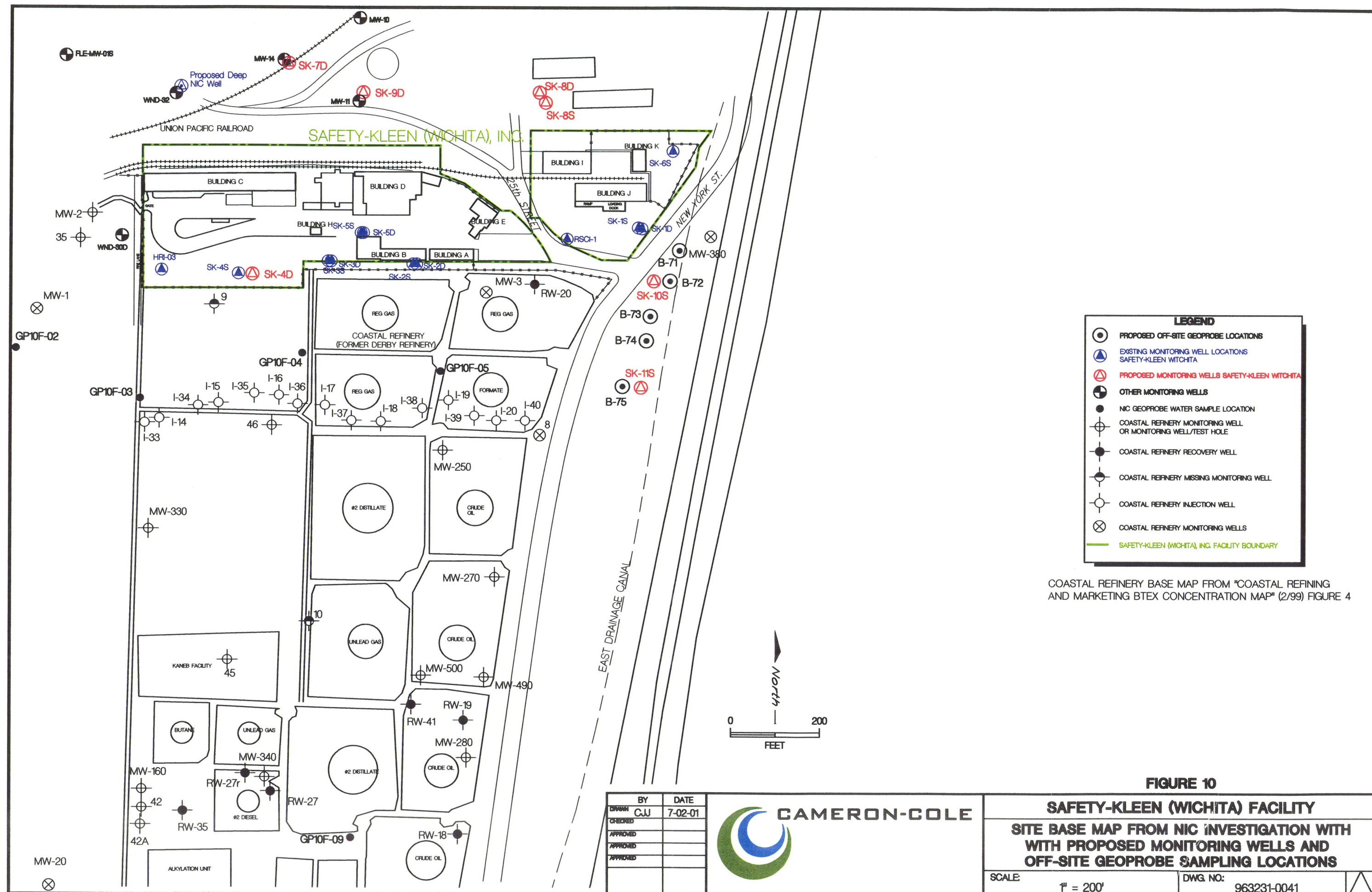
FIGURE 8

LEGEND

: SWMU Locations
 : AOC Locations
 EXISTING MONITORING WELL LOCATIONS
 PROPOSED MONITORING WELLS

BY CJJ CHECKED APPROVED APPROVED APPROVED	DATE 7-02-01		SAFETY-KLEEN - (WICHITA) FACILITY GROUNDWATER VOC CONCENTRATIONS (ug/l) APRIL 25, 2001	
			SCALE: 1" = 100'	DWG. NO: 963231-0035





VALIDATION OF LABORATORY RESULTS

SAFETY-KLEEN WICHITA GROUNDWATER INVESTIGATION

SEVERN TRENT LABORATORY (STL) PROJECT NUMBER D1K070112

CAMERON-COLE PROJECT # 1205 - PHASE 2

Detailed in the following pages is the data validation for 10 groundwater samples collected as part of a GeoProbe® drive point investigation conducted at the Safety-Kleen (S-K) Wichita Facility on November 6, 2001. The samples were collected and analyzed in accordance with the specifications and procedures described in the RCRA Facility Investigation (RFI) Phase I Work Plan (S-K, October 14, 1999) and the subsequent Groundwater Monitoring Work Plan Addendums. The following groundwater samples were collected:

Groundwater Samples

B-71D	B-71S	B-72S	B-72D	B-73S	B-73D
B-74S	B-74D	B-75S	B-75D		

Quality Control Samples

A trip blank was submitted with the groundwater samples for analysis. However, the groundwater samples were requested for analysis on a 24 hour rush turnaround basis, and the trip blank was not. Therefore, results for the trip blank are not available.

The samples were submitted to Severn Trent Laboratory (STL) located in Arvada, Colorado. Samples were shipped by overnight courier and were received at the laboratory in one cooler on November 7, 2001, at acceptable temperatures 5.1 degrees Celsius.

Results of the analyses are provided in **STL Laboratory Report D1K070112**.

The samples were submitted for analysis of Volatile Organic Compounds (VOCs) by EPA method 8260B.

Review of this data was performed following the quality assurance/quality control (QA/QC) criteria set forth in the RFI Work Plan, guidance provided in the most recent version of the USEPA Contract Laboratory Program (CLP) Documents providing "National Functional Guidelines for Organic Data Review", and by the professional judgment of a geochemist experienced in the data validation and evaluation process.

COMPARISON OF REQUESTED AND PERFORMED ANALYSES

The groundwater samples submitted under the chain-of-custody (COC) were analyzed and reported as requested. Samples listed on the COC for non-rush analysis are not evaluated herein. Results for these analyses will be reported under separate cover.

HOLDING TIME COMPLIANCE

The samples were collected on November 6, 2001 and were analyzed the following day on November 7, 2001. All analyses were completed within proper 14 day holding time for preserved VOCs.

BLANKS

Results from two method blanks were provided in support of the VOC analyses. No VOCs were detected in the method blanks.

SURROGATE RECOVERIES

STL provided recovery results for four surrogate compounds spiked into each sample requiring VOC analysis. All surrogate recoveries were within prescribed control limits, ranging from 86 to 113 percent.

LABORATORY CONTROL SAMPLES

Results from two sets of laboratory control sample (LCS) and LCS duplicate (LCSD) analyses were provided in support of the VOC analyses (analyzed November 7 and 8, 2001). LCS recoveries ranged from 93 to 104 percent. Precision between the LCS and LCSD recoveries was acceptable, with a maximum relative percent difference (RPD) of 3.7 percent (RPD control limit of 20 percent).

MATRIX SPIKE/MATRIX SPIKE DUPLICATES

Results from two sets of batch specific matrix spike (MS) and matrix spike duplicate (MSD) analyses were provided in support of the VOC analyses. Precision and accuracy, as determined by the MS and MSD analyses, were acceptable, with one exception. MS recoveries ranged from 76 to 101 percent. The 76 percent MS recovery for benzene in the November 8, 2001 spike is below the lower control limit of 79 percent. No action is taken based on the single low MS recovery, as VOCS are not qualified based on MS recoveries alone, and all other associated QC meet required control limits. The maximum RPD between spike recoveries was 4.8 percent (RPD control limit of 20 percent).

LABORATORY AND FIELD DUPLICATE SAMPLE ANALYSES

Laboratory duplicate analyses were not performed or required. Field duplicate samples were not collected

RESULTS QUANTITATION

STL reported VOC concentrations for sample S-74S from a five fold dilution. Results for sample B-75S were reported from a four fold dilution. Reporting limits are acceptable. No anomalies were noted with results quantitation for the sample submitted.

OVERALL DATA ASSESSMENT

The analytical data quality for samples and analyses listed on page 1 this validation report have been validated in accordance with the procedures described herein. Analytical results were provided in STL Report Number D1K070112 dated November 12, 2001.

All analytical results were found to be quantitative, with no data qualification required.

VALIDATION PERFORMED BY: William W. Huskie, Consulting Geochemist

SIGNATURE: William W. Huskie

DATE: November 15, 2001

VALIDATION OF LABORATORY RESULTS

SAFETY- KLEEN WICHITA RFI INVESTIGATION

SEVERN TRENT LABORATORY (STL) PROJECT NUMBER D1K150281

CAMERON-COLE PROJECT # 1205 - PHASE 2

Detailed in the following pages is the data validation for five groundwater samples and 15 soil samples (and four associated quality control soil samples) collected in the vicinity of the Safety-Kleen (S-K) Wichita Facility on November 12, 2001. The samples were collected and analyzed in accordance with the specifications and procedures described in the RCRA Facility Investigation (RFI) Phase I Work Plan (S-K, October 14, 1999) and subsequent Groundwater Monitoring Work Plan Addendums. The following groundwater, soil, and QC samples were collected:

Groundwater Samples

B-68-19 B-77-19 B-63-20 B-80-17 B-83-17

Soil Samples

B-68-4	B-68-16	B-69-3	B-69-15	B-77-5	B-77-16
B-59-3	B-59-15	B-63-0.5	B-63-11	B-63-19	B-80-1
B-80-15	B-83-1	B-83-15			

Quality Control Samples

B-105-16 (blind duplicate of primary soil sample B-68-16)
B-107-3 (blind duplicate of primary groundwater sample B-69-3)
B-108-16 (blind duplicate of primary groundwater sample B-77-16)
B-109-15 (blind duplicate of primary groundwater sample B-80-15)

The samples were submitted to Severn Trent Laboratory (STL) located in Arvada, Colorado. Samples were shipped by overnight courier on November 12, 2001 and were received at the laboratory in good condition on November 14, 2001, at acceptable temperatures ranging from 5.3 to 5.8 degrees Celsius.

Results of the analyses are provided in **STL Laboratory Report D1K150281** dated December 6, 2001 and a revised STL report dated January 15, 2002.

The samples were tested for the analytes listed in the following Table in accordance with United States Environmental Protection Agency (USEPA) SW-846 methodologies,

Standard Methods for Analysis of Water and Wastes, and as described in Table 5 of the RFI Work Plan.

Note that analyses for bis(2-ethylhexyl)phthalate and for dimethyl phthalate were not requested as part of the initial semivolatile organic compound (SVOC) analyses. These compounds were added to the SVOC analyte list after the initial reports were provided. These data are included in the revised reports.

Analysis Requested	Analytical Method	Samples Analyzed
Volatile Organic Compounds (VOCs)	Method 8260B	All samples listed on page 1 except for B-68-16 and B-105-16 (duplicate pair)
Semi-Volatile Organic Compounds (SVOCs)	Method 8270C (short list)	B-68-4, B-68-16, and B-105-16
Total RCRA Metals	Method 6010B (7471 for mercury)	B-68-4, B-68-16, B-69-3, B-69-15, B-105-16, B-63-0.5, B-63-11, and B-63-19

Review of this data was performed following the quality assurance/quality control (QA/QC) criteria set forth in the RFI Work Plan, guidance provided in the most recent version of the USEPA Contract Laboratory Program (CLP) Documents providing "National Functional Guidelines for Inorganic and Organic Data Review", and by the professional judgment of a geochemist experienced in the QA/QC evaluation process.

COMPARISON OF REQUESTED AND PERFORMED ANALYSES

The soil and groundwater samples submitted under the COC associated with this validation were analyzed and reported as requested, with the exception noted for the addition of phthalate analyses required for the two soil samples analyzed for SVOCs. Also note that sample B-83-17 was listed on the COC as a soil sample, and should have been listed as a groundwater sample.

HOLDING TIME COMPLIANCE

The samples were collected on November 12, 2001 and arrived at the laboratory within two days of collection. Samples submitted for analysis of VOCs were analyzed within the required 14 day holding time. SVOC samples were extracted within 14 days and analyzed within 40 days of extraction. Metals analyses were completed within 180 days (28 days for mercury). All analyses were completed within proper holding times for the methods requested.

BLANKS

VOCs - Results from three method blanks were provided in support of both the soil and groundwater analyses. No VOCs were detected in the method blanks.

SVOCs - Results from one method blank were provided in support of the soil analyses. No SVOCs were detected in the method blank.

Metals - Results from one method blank were provided in support of the soil analyses. No metals were detected in the method blank.

SURROGATE RECOVERIES

VOCS - STL provided recovery results from four surrogate compounds spiked into each sample requiring VOC analysis. All surrogate recoveries were within prescribed control limits, ranging from 88 to 114 percent.

SVOCs - STL provided recovery results from six surrogate compounds spiked into each sample requiring SVOC analysis. All surrogate recoveries were within prescribed control limits, ranging from 53 to 84 percent.

LABORATORY CONTROL SAMPLES

VOCs - Results from three sets of laboratory control sample (LCS) and LCS duplicate analyses were provided in support of the VOC analyses. LCS recoveries were acceptable, ranging from 82 to 105 percent. Precision between the results of the LCS and LCS duplicate analyses was acceptable with a maximum RPD of 6.5 percent for chlorobenzene.

SVOCs - Results from one LCS analysis were provided with recoveries ranging from 67 to 74 percent. No LCS duplicate was performed. Accuracy, as demonstrated by these analyses, is acceptable.

Metals - Results from one LCS analysis were provided in support of the total metals analyses. Metals LCS recoveries were acceptable, ranging from 90 to 103 percent. Results from an LCS/LCSD pair were provided in support of the mercury analyses. The RPD between mercury results was 0.45 percent. Precision and accuracy, as demonstrated by these analyses, is acceptable.

MATRIX SPIKE/MATRIX SPIKE DUPLICATES

VOCs - Results from one set of project specific (B-68-4) matrix spike (MS) and matrix spike duplicate (MSD) analyses were provided in support of the VOC analyses. Precision and accuracy, as determined by the MS and MSD analyses, were acceptable, with recoveries ranging from 80 to 105 percent. The maximum RPD between VOC spike results was 9.7 percent for TCE. Results from two additional batch specific MS and MSD pairs were provided. Precision and accuracy, as demonstrated by these analyses, is acceptable, with the following exception. The TCE recovery for one MS was low at 77 percent (lower control limit of 81 percent). No action is taken based on the single low TCE spike recovery, as associated LCS recoveries demonstrate acceptable accuracy.

SVOCs - Results from one set of batch specific MS and MSD analyses were provided in support of the SVOC analyses. Precision and accuracy, as determined by the MS and MSD analyses, were acceptable, with recoveries ranging from 58 to 70 percent. The maximum RPD between SVOC spike results was 7.0 percent for pyrene.

Metals - Results from one set of batch specific MS and MSD analyses were provided in support of the total metals. Spike recoveries were acceptable, ranging from 90 to 102 percent. The maximum RPD between MS results was 2.2 percent for chromium.

FIELD DUPLICATE SAMPLE ANALYSES

The following field duplicate pairs were collected for the analyses listed below.

B-105-16 (blind duplicate of primary soil sample B-68-16) - Metals and SVOCs

B-107-3 (blind duplicate of primary groundwater sample B-69-3) - VOCs

B-108-16 (blind duplicate of primary groundwater sample B-77-16) - VOCs

B-109-15 (blind duplicate of primary groundwater sample B-80-15) - VOCs

Precision is evaluated as follows:

VOCs - Three of the duplicate pairs were analyzed for VOCs. VOCs were not detected in either sample of the three duplicate pairs (with one exception) and precision is determined to be acceptable. PCE was detected in sample B-107-3 at 9.5 mg/Kg. PCE was not detected in sample B-69-3 at < 5 mg/Kg. Because results agree within one reporting limit increment, no action is taken, and precision is determined to be acceptable.

SVOCs - Bis(2-ethylhexyl)phthalate was detected in both samples of the duplicate pair (B-68-16 and B-105-16) at concentrations of 630 and 650 mg/Kg, respectively. Precision between these detection is acceptable.

Metals - Arsenic, lead, barium, and chromium were detected in duplicate sample B-105-16. Lead, barium, and chromium were detected in the primary sample (B-68-16). Precision between these detection was acceptable, with a maximum RPD of 47 percent for barium. Arsenic results agree within on reporting limit increment.

RESULTS QUANTITATION

No anomalies were note with respect to results quantitation.

OVERALL DATA ASSESSMENT

The analytical data quality for samples and analyses listed on pages 1 and 2 of this validation report have been validated in accordance with the procedures described herein. Results were provided in STL report D1K150281 dated December 6, 2001, and revised January 15, 2002.

All analytical results were found to be quantitative, with no data qualification required.

Prepared By: William W. Huskie
William W. Huskie
Geochemist

February 11, 2002
Date

VALIDATION OF LABORATORY RESULTS

SAFETY- KLEEN WICHITA RFI INVESTIGATION

SEVERN TRENT LABORATORY (STL) PROJECT NUMBER D1K120155

CAMERON-COLE PROJECT # 1205 - PHASE 2

Detailed in the following pages is the data validation for two groundwater samples and 21 soil samples collected in the vicinity of the Safety-Kleen (S-K) Wichita Facility on November 6, 7, and 8, 2001. The samples were collected and analyzed in accordance with the specifications and procedures described in the RCRA Facility Investigation (RFI) Phase I Work Plan (S-K, October 14, 1999) and subsequent Groundwater Monitoring Work Plan Addendums. The following groundwater and soil samples were collected:

Groundwater Samples

B-45-15 B-46-17

Soil Samples

B-49-4	B-49-15	B-55-17	B-55-3	B-45-4	B-45-14
B-45-15	B-46-2	B-46-13	B-46-17	B-70-18	B-76-4
B-76-16	B-57-4	B-57-15	B-58-4	B-58-16	B-52-4
B-52-15	B-51-4	B-51-15			

The samples were submitted to Severn Trent Laboratory (STL) located in Arvada, Colorado. Samples were shipped by overnight courier on November 9, 2001 and were received at the laboratory in good condition on November 10, 2001, at acceptable temperatures ranging from 2.7 to 4.5 degrees Celsius.

Results of the analyses are provided in **STL Laboratory Report D1K150155** dated December 4, 2001 and a revised STL report dated January 15, 2002.

The samples were tested for the analytes listed in the following Table in accordance with United States Environmental Protection Agency (USEPA) SW-846 methodologies, Standard Methods for Analysis of Water and Wastes, and as described in Table 5 of the RFI Work Plan.

Note that analyses for bis(2-ethylhexyl)phthalate and for dimethyl phthalate were not requested as part of the initial semivolatile organic compound (SVOC) analyses. These compounds were added to the SVOC analyte list after the initial reports were provided. These data are included in the revised reports.

Analysis Requested	Analytical Method	Samples Analyzed
Volatile Organic Compounds (VOCs)	Method 8260B	All soil and groundwater samples listed on page 1 of this report.
Semi-Volatile Organic Compounds (SVOCs)	Method 8270C (short list)	B-49-4, and B-49-15.
Total RCRA Metals	Method 6010B (7471 for mercury)	B-70-18

Review of this data was performed following the quality assurance/quality control (QA/QC) criteria set forth in the RFI Work Plan, guidance provided in the most recent version of the USEPA Contract Laboratory Program (CLP) Documents providing "National Functional Guidelines for Inorganic and Organic Data Review", and by the professional judgment of a geochemist experienced in the QA/QC evaluation process.

COMPARISON OF REQUESTED AND PERFORMED ANALYSES

The soil and groundwater samples submitted under the COC associated with this validation were analyzed and reported as requested, with the exception noted for the addition of phthalate analyses required for the two soil samples analyzed for SVOCs.

HOLDING TIME COMPLIANCE

The samples were collected on November 6, 7, and 8, 2001 and arrived at the laboratory within four days of collection. Samples submitted for analysis of VOCs were analyzed within the required 14 day holding time. SVOC samples were extracted within 14 days and analyzed within 40 days of extraction. Metals analyses were completed within 180 days (28 days for mercury). All analyses were completed within proper holding times for the methods requested.

BLANKS

VOCs - Results from five method blanks were provided in support of both the soil and groundwater analyses. No VOCs were detected in the method blanks.

SVOCs - Results from one method blank were provided in support of the soil analyses. No SVOCs were detected in the method blank.

Metals - Results from one method blank were provided in support of the soil analyses. No metals were detected in the method blank.

SURROGATE RECOVERIES

VOCS - STL provided recovery results from four surrogate compounds spiked into each sample requiring VOC analysis. All surrogate recoveries were within prescribed control limits, ranging from 85 to 125 percent.

SVOCS - STL provided recovery results from six surrogate compounds spiked into each sample requiring SVOC analysis. All surrogate recoveries were within prescribed control limits, ranging from 56 to 79 percent.

LABORATORY CONTROL SAMPLES

VOCs - Results from five sets of laboratory control sample (LCS) and LCS duplicate analyses were provided in support of the VOC analyses. LCS recoveries were acceptable, ranging from 82 to 110 percent. Precision between the results of the LCS and LCS duplicate analyses was acceptable with a maximum RPD of 8.1 percent for TCE.

SVOCs - Results from one LCS analysis were provided with recoveries ranging from 67 to 74 percent. No LCS duplicate was performed. Accuracy, as demonstrated by this analysis, is acceptable.

Metals - One set of LCS and LCS duplicate analysis were provided in support of the total metals analyses. Metals LCS recoveries were acceptable, ranging from 94 to 102 percent. The maximum RPD between LCS and LCS duplicate results was 3.6 percent for mercury. Precision and accuracy, as demonstrated by these analyses, is acceptable.

MATRIX SPIKE/MATRIX SPIKE DUPLICATES

VOCs - Results from two sets of batch specific, and from three sets of project specific (samples B-57-15, B-76-16, and B-46-17) matrix spike (MS) and matrix spike duplicate (MSD) analyses were provided in support of the VOC analyses. Precision and accuracy, as determined by the MS and MSD analyses, were acceptable, with the following exceptions. MS recoveries for the spike of sample B-57-15, and for the batch 132350 spike were low, ranging from 59 to 72 percent. No action is taken, as acceptable precision and accuracy are demonstrated by the results of the associated LCS and LCSD analyses.

Metals - Results from one set of batch specific MS and MSD analyses were provided in support of the total metals. Spike recoveries were acceptable, ranging from 89 to 98 percent. The maximum RPD between MS results was 9.7 percent for mercury.

FIELD DUPLICATE SAMPLE ANALYSES

Field duplicate samples were not collected with the samples submitted under this chain-of-custody

RESULTS QUANTITATION

No anomalies were note with respect to results quantitation.

OVERALL DATA ASSESSMENT

The analytical data quality for samples and analyses listed on pages 1 and 2 of this validation report have been validated in accordance with the procedures described herein. Results were provided in STL report D1K150155 dated December 4, 2001, and revised January 15, 2002.

All analytical results were found to be quantitative, with no data qualification required

Prepared By: William W. Huskie
William W. Huskie
Geochemist

February 10, 2002
Date

VALIDATION OF LABORATORY RESULTS

SAFETY- KLEEN WICHITA RFI INVESTIGATION

SEVERN TRENT LABORATORY (STL) PROJECT NUMBER D1K120233

CAMERON-COLE PROJECT # 1205 - PHASE 2

Detailed in the following pages is the data validation for three groundwater samples and 14 soil samples (and associated quality control samples) collected in the vicinity of the Safety-Kleen (S-K) Wichita Facility on November 8 and 9, 2001. The samples were collected and analyzed in accordance with the specifications and procedures described in the RCRA Facility Investigation (RFI) Phase I Work Plan (S-K, October 14, 1999) and subsequent Groundwater Monitoring Work Plan Addendums. The following groundwater, soil, and QC samples were collected:

Groundwater Samples

B-79-20 B-81-20 B-102-18

Soil Samples

B-64-0.5	B-64-3	B-64-16	B-65-0.5	B-65-3	B-65-16
B-66-0.5	B-66-3	B-66-16	B-67-0.5	B-67-3	B-67-16
B-100-4	B-100-15				

Quality Control Samples

B-100-4 (blind duplicate of primary soil sample B-50-4)
B-100-15 (blind duplicate of primary soil sample B-50-15)
B-102-18 (blind duplicate of primary groundwater sample B-56-18)

Note that results for all three primary soil samples are found in STL report D1K120137.

The samples were submitted to Severn Trent Laboratory (STL) located in Arvada, Colorado. Samples were shipped by overnight courier on November 9, 2001 and were received at the laboratory in good condition on November 10, 2001, at acceptable temperatures ranging from 2.7 to 4.5 degrees Celsius.

Results of the analyses are provided in **STL Laboratory Report D1K150233** dated December 5, 2001 and a revised STL report dated January 15, 2002.

The samples were tested for the analytes listed in the following Table in accordance with United States Environmental Protection Agency (USEPA) SW-846 methodologies,

Standard Methods for Analysis of Water and Wastes, and as described in Table 5 of the RFI Work Plan.

Note that analyses for bis(2-ethylhexyl)phthalate and for dimethyl phthalate were not requested as part of the initial semivolatile organic compound (SVOC) analyses. These compounds were added to the SVOC analyte list after the initial reports were provided. These data are included in the revised reports.

Analysis Requested	Analytical Method	Samples Analyzed
Volatile Organic Compounds (VOCs)	Method 8260B	B-79-20, B-81-20, B-100-4, B-100-15, and B-102-18
Semi-Volatile Organic Compounds (SVOCs)	Method 8270C (short list)	B-100-4 and B-100-15
Total RCRA Metals	Method 6010B (7471 for mercury)	B-64-0.5, B-64-3, B-64-16, B-65-0.5, B-65-3, B-65-16, B-66-0.5, B-66-3, B-66-16, B-67-0.5, B-67-3, and B-67-16

Review of this data was performed following the quality assurance/quality control (QA/QC) criteria set forth in the RFI Work Plan, guidance provided in the most recent version of the USEPA Contract Laboratory Program (CLP) Documents providing "National Functional Guidelines for Inorganic and Organic Data Review", and by the professional judgment of a geochemist experienced in the QA/QC evaluation process.

COMPARISON OF REQUESTED AND PERFORMED ANALYSES

The soil and groundwater samples submitted under the COC associated with this validation were analyzed and reported as requested, with the exception noted for the addition of phthalate analyses required for the two soil samples analyzed for SVOCs. Also note that sample B-102-18 was listed on the COC as a soil sample, and should have been listed as a groundwater sample.

HOLDING TIME COMPLIANCE

The samples were collected on November 8 and 9, 2001 and arrived at the laboratory within two days of collection. Samples submitted for analysis of VOCs were analyzed within the required 14 day holding time. SVOC samples were extracted within 14 days and analyzed within 40 days of extraction. Metals analyses were completed within 180 days (28 days for mercury). All analyses were completed within proper holding times for the methods requested.

BLANKS

VOCs - Results from method blanks were provided in support of both the soil and groundwater analyses. No VOCs were detected in the method blanks.

SVOCs - Results from one method blank were provided in support of the soil analyses. No SVOCs were detected in the method blank.

Metals - Results from one method blank were provided in support of the soil analyses. No metals were detected in the method blank.

SURROGATE RECOVERIES

VOCS - STL provided recovery results from four surrogate compounds spiked into each sample requiring VOC analysis. All surrogate recoveries were within prescribed control limits, ranging from 88 to 114 percent.

SVOCS - STL provided recovery results from six surrogate compounds spiked into each sample requiring SVOC analysis. All surrogate recoveries were within prescribed control limits, ranging from 57 to 72 percent.

LABORATORY CONTROL SAMPLES

VOCs - Results from three sets of laboratory control sample (LCS) and LCS duplicate analyses were provided in support of the VOC analyses. LCS recoveries were acceptable, ranging from 82 to 110 percent. Precision between the results of the LCS and LCS duplicate analyses was acceptable with a maximum RPD of 6.9 percent for TCE.

SVOCs - Results from one LCS analysis were provided with recoveries ranging from 67 to 74 percent. No LCS duplicate was performed. Accuracy, as demonstrated by this analysis, is acceptable.

Metals - One set of LCS and LCSD analyses were provided in support of the total metals analyses. Metals LCS recoveries were acceptable, ranging from 91 to 102 percent. The maximum RPD between metals results was 2.6 percent for selenium. Precision and accuracy, as demonstrated by these analyses, is acceptable.

MATRIX SPIKE/MATRIX SPIKE DUPLICATES

VOCs - Results from one set of batch specific matrix spike (MS) and matrix spike duplicate (MSD) analyses were provided in support of the VOC analyses. Precision and accuracy, as determined by the MS and MSD analyses, were acceptable, with recoveries ranging from 76 to 109 percent. The maximum RPD between VOC spike results was 12 percent for TCE.

Metals - Results from one set of batch specific MS and MSD analyses were provided in support of the total metals. Spike recoveries were acceptable, ranging from 76 to 93 percent. The maximum RPD between MS results was 7.9 percent for mercury.

FIELD DUPLICATE SAMPLE ANALYSES

The following field duplicate pairs were collected.

B-100-4 (blind duplicate of primary soil sample B-50-4)
B-100-15 (blind duplicate of primary soil sample B-50-15)
B-102-18 (blind duplicate of primary groundwater sample B-56-18)

Results for each of the primary samples are found in STL report D1K120137. Discussion of the duplicate precision is found in the validation letter for report D1K120137.

RESULTS QUANTITATION

No anomalies were note with respect to results quantitation.

OVERALL DATA ASSESSMENT

The analytical data quality for samples and analyses listed on pages 1 and 2 of this validation report have been validated in accordance with the procedures described herein. Results were provided in STL report D1K150233 dated December 5, 2001, and revised January 15, 2002.

All analytical results were found to be quantitative, with no data qualification required.

Prepared By: William W. Huskie
William W. Huskie
Geochemist

February 10, 2002
Date

VALIDATION OF LABORATORY RESULTS

SAFETY- KLEEN WICHITA RFI INVESTIGATION

SEVERN TRENT LABORATORY (STL) PROJECT NUMBER D1K120137

CAMERON-COLE PROJECT # 1205 - PHASE 2

Detailed in the following pages is the data validation for three groundwater samples and 21 soil samples (and associated quality control samples) collected in the vicinity of the Safety-Kleen (S-K) Wichita Facility on November 7 and 9, 2001. The samples were collected and analyzed in accordance with the specifications and procedures described in the RCRA Facility Investigation (RFI) Phase I Work Plan (S-K, October 14, 1999) and subsequent Groundwater Monitoring Work Plan Addendums. The following groundwater, soil, and QC samples were collected:

Groundwater Samples

B-56-18 B-48-18 B-50-18

Soil Samples

B-54-4	B-54-17	B-53-5	B-53-17	B-62-0.5	B-62-5
B-62-17	B-61-0.5	B-61-4	B-61-18	B-70-0.5	B-70-8
B-56-3	B-56-16	B-48-3	B-48-14	B-50-4	B-50-15
B-60-1	B-60-3	B-60-16			

Quality Control Samples

B-100-4 (blind duplicate of primary soil sample **B-50-4**)
B-100-15 (blind duplicate of primary soil sample **B-50-15**)
B-102-18 (blind duplicate of primary groundwater sample **B-56-18**)

Note that results for all three duplicate samples are found in STL report D1K120233.

The samples were submitted to Severn Trent Laboratory (STL) located in Arvada, Colorado. Samples were shipped by overnight courier on November 9, 2001 and were received at the laboratory in good condition on November 10, 2001, at acceptable temperatures ranging from 2.7 to 4.5 degrees Celsius.

Results of the analyses are provided in **STL Laboratory Report D1K150137** dated December 5, 2001 and a revised STL report dated January 15, 2002.

The samples were tested for the analytes listed in the following Table in accordance with United States Environmental Protection Agency (USEPA) SW-846 methodologies, Standard Methods for Analysis of Water and Wastes, and as described in Table 5 of the RFI Work Plan.

Note that analyses for bis(2-ethylhexyl)phthalate and for dimethyl phthalate were not requested as part of the initial semivolatile organic compound (SVOC) analyses. These compounds were added to the SVOC analyte list after the initial reports were provided. These data are included in the revised reports.

Analysis Requested	Analytical Method	Samples Analyzed
Volatile Organic Compounds (VOCs)	Method 8260B	All soil and groundwater samples listed on page 1 of this report.
Semi-Volatile Organic Compounds (SVOCs)	Method 8270C (short list)	B-48-3, B-48-14, B-50-4, and B-50-15.
Total RCRA Metals	Method 6010B (7471 for mercury)	B-54-4, B-54-17, B-62-0.5, B-62-5, B-62-17, B-61-0.5, B-61-4, B-61-18, B-70-0.5, B-70-8, B-60-1, B-60-3, and B-60-16

Review of this data was performed following the quality assurance/quality control (QA/QC) criteria set forth in the RFI Work Plan, guidance provided in the most recent version of the USEPA Contract Laboratory Program (CLP) Documents providing "National Functional Guidelines for Inorganic and Organic Data Review", and by the professional judgment of a geochemist experienced in the QA/QC evaluation process.

COMPARISON OF REQUESTED AND PERFORMED ANALYSES

The soil and groundwater samples submitted under the COC associated with this validation were analyzed and reported as requested, with the exception noted for the addition of phthalate analyses required for the two soil samples analyzed for SVOCs. All samples requiring SVOC analyses were initially listed on the COC form as requiring analysis of RCRA metals. This was corrected based on the bottles submitted, and the COC was revised with S-K approval.

HOLDING TIME COMPLIANCE

The samples were collected on November 7 and 9, 2001 and arrived at the laboratory within three days of collection. Samples submitted for analysis of VOCs were analyzed within the required 14 day holding time. SVOC samples were extracted within 14 days and analyzed within 40 days of extraction. Metals analyses were completed within 180 days (28 days for mercury). All analyses were completed within proper holding times for the methods requested.

BLANKS

VOCs - Results from four method blanks were provided in support of both the soil and groundwater analyses. No VOCs were detected in the method blanks.

SVOCs - Results from one method blank were provided in support of the soil analyses. No SVOCs were detected in the method blank.

Metals - Results from one method blank were provided in support of the soil analyses. No metals were detected in the method blank.

SURROGATE RECOVERIES

VOCS - STL provided recovery results from four surrogate compounds spiked into each sample requiring VOC analysis. All surrogate recoveries were within prescribed control limits, ranging from 88 to 129 percent.

SVOCs - STL provided recovery results from six surrogate compounds spiked into each sample requiring SVOC analysis. All surrogate recoveries were within prescribed control limits, ranging from 57 to 81 percent.

LABORATORY CONTROL SAMPLES

VOCs - Results from four sets of laboratory control sample (LCS) and LCS duplicate analyses were provided in support of the VOC analyses. LCS recoveries were acceptable, ranging from 86 to 114 percent. Precision between the results of the LCS and LCS duplicate analyses was acceptable with a maximum RPD of 10 percent for TCE.

SVOCs - Results from one LCS analysis were provided with recoveries ranging from 67 to 74 percent. No LCS duplicate was performed. Accuracy, as demonstrated by this analysis, is acceptable.

Metals - One LCS analysis was provided in support of the total metals analyses. Metals LCS recoveries were acceptable, ranging from 86 to 96 percent. Accuracy, as demonstrated by this analysis, is acceptable.

MATRIX SPIKE/MATRIX SPIKE DUPLICATES

VOCs - Results from two sets of batch specific, and two sets of project specific (samples B-61-18 and B-62-17) matrix spike (MS) and matrix spike duplicate (MSD) analyses were provided in support of the VOC analyses. Precision and accuracy, as determined by

the MS and MSD analyses, were acceptable, with recoveries ranging from 76 to 109 percent. The maximum RPD between VOC spike results was 12 percent for TCE.

SVOCs - Results from one set of batch specific MS and MSD analyses were provided in support of the VOC analyses. Precision and accuracy, as determined by these analyses was acceptable, with spike recoveries ranging from 58 to 70 percent. The maximum RPD was 5.6 percent for di-nitrotoluene.

Metals - Results from one set of project specific (sample B-60-1) MS and MSD analyses were provided in support of the total metals. Spike recoveries were acceptable, ranging from 85 to 98 percent. The maximum RPD between MS results was 5.7 percent for chromium. Note that spike recoveries were not evaluated for lead and cadmium, as the native sample results were more than 4 times the spike added concentrations.

FIELD DUPLICATE SAMPLE ANALYSES

The following field duplicate pairs were collected.

B-100-4 (blind duplicate of primary soil sample B-50-4) VOCs and SVOCs
B-100-15 (blind duplicate of primary soil sample B-50-15) VOCs and SVOCs
B-102-18 (blind duplicate of primary groundwater sample B-56-18) VOCs

Results for each of the duplicate samples are found in STL report D1K120233. Duplicate precision for the SVOC analysis is acceptable, with no SVOCs detected in any samples.

Precision between the PCE results in the B-16-18 and B-102-18 pair is poor, with TCE results of 8.9 ug/L and 1.6 ug/L respectively. Due to the poor precision, TCE results for these two samples are qualified as J/Estimated.

RESULTS QUANTITATION

No anomalies were noted with respect to results quantitation.

OVERALL DATA ASSESSMENT

The analytical data quality for samples and analyses listed on pages 1 and 2 of this validation report have been validated in accordance with the procedures described herein. Results were provided in STL report D1K150137 dated December 5, 2001, and revised January 15, 2002.

All analytical results were found to be quantitative, with the exceptions detailed herein, and as summarized in the following table.

VALIDATION SUMMARY TABLE

Sample ID / Analyte	Data Qualifier	Reason for Qualification
B-102-18 and B-56-18 / Trichloroethene	J/Estimated	Poor Precision between results of field duplicate samples.

Prepared By: William W. Huskie
William W. Huskie
Geochemist

February 10, 2002
Date

VALIDATION OF LABORATORY RESULTS

SAFETY- KLEEN WICHITA RFI INVESTIGATION

SEVERN TRENT LABORATORY (STL) PROJECT NUMBER D1K120175

CAMERON-COLE PROJECT # 1205 - PHASE 2

Detailed in the following pages is the data validation for two groundwater samples and two soil samples (and four associated quality control soil samples) collected in the vicinity of the Safety-Kleen (S-K) Wichita Facility on November 8, 2001. The samples were collected and analyzed in accordance with the specifications and procedures described in the RCRA Facility Investigation (RFI) Phase I Work Plan (S-K, October 14, 1999) and subsequent Groundwater Monitoring Work Plan Addendums. The following groundwater, soil, and QC samples were collected:

Groundwater Samples

B-47-16 B-78-20

Soil Samples

B-47-3 B-47-14

Quality Control Samples

RB-118 (rinsate blanks sample)
TB-02 (trip blank)
TB-03 (trip blank)

The samples were submitted to Severn Trent Laboratory (STL) located in Arvada, Colorado. Samples were shipped by overnight courier on November 9, 2001 and were received at the laboratory in good condition on November 10, 2001, at acceptable temperatures ranging from 2.7 to 4.5 degrees Celsius.

Results of the analyses are provided in **STL Laboratory Report D1K120175** dated December 5, 2001.

The samples were tested for the analytes listed in the following Table in accordance with United States Environmental Protection Agency (USEPA) SW-846 methodologies, Standard Methods for Analysis of Water and Wastes, and as described in Table 5 of the RFI Work Plan.

Analysis Requested	Analytical Method	Samples Analyzed
Volatile Organic Compounds (VOCs)	Method 8260B	All samples listed on page 1.

Review of this data was performed following the quality assurance/quality control (QA/QC) criteria set forth in the RFI Work Plan, guidance provided in the most recent version of the USEPA Contract Laboratory Program (CLP) Documents providing "National Functional Guidelines for Inorganic and Organic Data Review", and by the professional judgment of a geochemist experienced in the QA/QC evaluation process.

COMPARISON OF REQUESTED AND PERFORMED ANALYSES

The soil and groundwater samples submitted under the COC associated with this validation were analyzed and reported as requested.

HOLDING TIME COMPLIANCE

The samples were collected on November 12, 2001 and arrived at the laboratory within two days of collection. Samples submitted for analysis of VOCs were analyzed within the required 14 day holding time.

BLANKS

VOCs - Results from four method blanks, one equipment rinsate blank, and from two trip blanks were provided in support of both the soil and groundwater analyses. No VOCs were detected in any of the blanks analyzed.

SURROGATE RECOVERIES

VOCS - STL provided recovery results from four surrogate compounds spiked into each sample requiring VOC analysis. All surrogate recoveries were within prescribed control limits, ranging from 92 to 129 percent, with the following exception. The dibromofluoromethane surrogate recovery for sample B-47-3 was high at 123 percent (upper control limit of 120 percent) Due to the high surrogate recovery, and possible high bias for the associated sample results, the following detections for sample B-47-3 are validated at J/Estimated:

Tetrachloroethene = 540 ug/Kg = J/Estimated

Trichloroethene = 25 ug/Kg = J/Estimated

LABORATORY CONTROL SAMPLES

VOCs - Results from four sets of laboratory control sample (LCS) and LCS duplicate analyses were provided in support of the VOC analyses. LCS recoveries were acceptable,

ranging from 83 to 110 percent. Precision between the results of the LCS and LCS duplicate analyses was acceptable with a maximum RPD of 6.9 percent for trichloroethene.

MATRIX SPIKE/MATRIX SPIKE DUPLICATES

VOCs - Results from two sets of project specific (samples B-61-18 and SK-5D from other STL reports) and two sets of batch specific matrix spike (MS) and matrix spike duplicate (MSD) analyses were provided in support of the VOC analyses. Precision and accuracy, as determined by the MS and MSD analyses, were acceptable (with one exception), with recoveries ranging from 77 to 112 percent. The TCE recovery for one MS was low at 77 percent (lower control limit of 81 percent). No action is taken based on the single low TCE spike recovery, as associated LCS recoveries demonstrate acceptable accuracy.

FIELD DUPLICATE SAMPLE ANALYSES

Field duplicate samples were not collected with the samples submitted under this chain of custody.

RESULTS QUANTITATION

No anomalies were note with respect to results quantitation.

OVERALL DATA ASSESSMENT

The analytical data quality for samples and analyses listed on pages 1 and 2 of this validation report have been validated in accordance with the procedures described herein. Results were provided in STL report D1K120175 dated December 5, 2001.

All analytical results were found to be quantitative, with the exceptions detailed herein, and as summarized in the following table.

VALIDATION SUMMARY TABLE

Sample ID / Analyte	Data Qualifier	Reason for Qualification
B-47-3 / Trichloroethene and tetrachloroethene	J/Estimated	Associated surrogate recovery exceeds upper control limits. Sample results may be biased high.

Prepared By: William W. Huskie
William W. Huskie
Geochemist

February 11, 2002
Date

VALIDATION OF LABORATORY RESULTS

SAFETY- KLEEN WICHITA RFI INVESTIGATION

SEVERN TRENT LABORATORY (STL) PROJECT NUMBER D1K070130

CAMERON-COLE PROJECT # 1205 - PHASE 2

Detailed in the following pages is the data validation for five surface water samples collected as part of an off-site surface water investigation conducted in the vicinity of the Safety-Kleen (S-K) Wichita Facility on November 6, 2001. The samples were collected and analyzed in accordance with the specifications and procedures described in the RCRA Facility Investigation (RFI) Phase I Work Plan (S-K, October 14, 1999) and subsequent Groundwater Monitoring Work Plan Addendums. The following groundwater samples were collected:

Surface Water Samples

SK-SW-1A
SK-SW-5A

SK-SW-2A
SK-SW-5Z

SK-SW-3A

SK-SW-4A

Quality Control Samples

TB-01 (Trip blank)

The samples were submitted to Severn Trent Laboratory (STL) located in Arvada, Colorado. Samples were shipped by overnight courier and were received at the laboratory in one cooler on November 7, 2001, at acceptable temperatures 5.1 degrees Celsius.

Results of the analyses are provided in **STL Laboratory Report D1K070130**.

The samples were submitted for analysis of Volatile Organic Compounds (VOCs) by EPA method 8260B.

Review of this data was performed following the quality assurance/quality control (QA/QC) criteria set forth in the RFI Work Plans, guidance provided in the most recent version of the USEPA Contract Laboratory Program (CLP) Documents providing "National Functional Guidelines for Organic Data Review", and by the professional judgment of a geochemist experienced in the data validation and evaluation process.

COMPARISON OF REQUESTED AND PERFORMED ANALYSES

The samples submitted under the chain-of-custody (COC) were analyzed and reported as requested. Samples listed on the COC for rush analysis are not evaluated herein. Results for these analyses will be reported under separate cover.

HOLDING TIME COMPLIANCE

The samples were collected on November 6, 2001 and were analyzed on November 13, 2001. All analyses were completed within proper holding time of 14 days for preserved VOCs.

BLANKS

Results from one method blank and from one trip blank were provided in support of the VOC analyses. No VOCs were detected in the method blanks.

SURROGATE RECOVERIES

STL provided recovery results for four surrogate compounds spiked into each sample requiring VOC analysis. All surrogate recoveries were within prescribed control limits, ranging from 93 to 105 percent.

LABORATORY CONTROL SAMPLES

Results from one set of laboratory control sample (LCS) and LCS duplicate (LCSD) analyses were provided in support of the VOC analyses (analyzed November 13, 2001). LCS recoveries ranged from 84 to 108 percent. Precision between the LCS and LCSD recoveries was acceptable, with a maximum relative percent difference (RPD) of 2.2 percent (RPD control limit of 20 percent).

MATRIX SPIKE/MATRIX SPIKE DUPLICATES

Results from one set of project specific (sample SK-SW-1A) matrix spike (MS) and matrix spike duplicate (MSD) analyses were provided in support of the VOC analyses. Precision and accuracy, as determined by the MS and MSD analyses, were acceptable, with spike recoveries ranging from 87 to 112 percent. The maximum RPD between spike recoveries was 1.5 percent (RPD control limit of 20 percent).

LABORATORY AND FIELD DUPLICATE SAMPLE ANALYSES

Laboratory duplicate analyses were not performed or required. Field duplicate samples were not collected.

RESULTS QUANTITATION

No sample dilutions were required. Reporting limits are acceptable. No anomalies were noted with results quantitation for the sample submitted.

OVERALL DATA ASSESSMENT

The analytical data quality for samples and analyses listed on page 1 this validation report have been validated in accordance with the procedures described herein. Analytical results were provided in STL Report Number D1K070130 dated November 28, 2001.

All analytical results were found to be quantitative, with no data qualification required.

VALIDATION PERFORMED BY: William W. Huskie, Consulting Geochemist

SIGNATURE: William W. Huskie

DATE: December 1, 2001

VALIDATION OF LABORATORY RESULTS

SAFETY- KLEEN WICHITA GROUNDWATER INVESTIGATION

SEVERN TRENT LABORATORY (STL) PROJECT NUMBER D1K070112

CAMERON-COLE PROJECT # 1205 - PHASE 2

Detailed in the following pages is the data validation for 10 groundwater samples collected as part of a GeoProbe® drive point investigation conducted at the Safety-Kleen (S-K) Wichita Facility on November 6, 2001. The samples were collected and analyzed in accordance with the specifications and procedures described in the RCRA Facility Investigation (RFI) Phase I Work Plan (S-K, October 14, 1999) and the subsequent Groundwater Monitoring Work Plan Addendums. The following groundwater samples were collected:

Groundwater Samples

B-71D	B-71S	B-72S	B-72D	B-73S	B-73D
B-74S	B-74D	B-75S	B-75D		

Quality Control Samples

A trip blank was submitted with the groundwater samples for analysis. However, the groundwater samples were requested for analysis on a 24 hour rush turnaround basis, and the trip blank was not. Therefore, results for the trip blank are not available.

The samples were submitted to Severn Trent Laboratory (STL) located in Arvada, Colorado. Samples were shipped by overnight courier and were received at the laboratory in one cooler on November 7, 2001, at acceptable temperatures 5.1 degrees Celsius.

Results of the analyses are provided in **STL Laboratory Report D1K070112**.

The samples were submitted for analysis of Volatile Organic Compounds (VOCs) by EPA method 8260B.

Review of this data was performed following the quality assurance/quality control (QA/QC) criteria set forth in the RFI Work Plan, guidance provided in the most recent version of the USEPA Contract Laboratory Program (CLP) Documents providing "National Functional Guidelines for Organic Data Review", and by the professional judgment of a geochemist experienced in the data validation and evaluation process.

COMPARISON OF REQUESTED AND PERFORMED ANALYSES

The groundwater samples submitted under the chain-of-custody (COC) were analyzed and reported as requested. Samples listed on the COC for non-rush analysis are not evaluated herein. Results for these analyses will be reported under separate cover.

HOLDING TIME COMPLIANCE

The samples were collected on November 6, 2001 and were analyzed the following day on November 7, 2001. All analyses were completed within proper 14 day holding time for preserved VOCs.

BLANKS

Results from two method blanks were provided in support of the VOC analyses. No VOCs were detected in the method blanks.

SURROGATE RECOVERIES

STL provided recovery results for four surrogate compounds spiked into each sample requiring VOC analysis. All surrogate recoveries were within prescribed control limits, ranging from 86 to 113 percent.

LABORATORY CONTROL SAMPLES

Results from two sets of laboratory control sample (LCS) and LCS duplicate (LCSD) analyses were provided in support of the VOC analyses (analyzed November 7 and 8, 2001). LCS recoveries ranged from 93 to 104 percent. Precision between the LCS and LCSD recoveries was acceptable, with a maximum relative percent difference (RPD) of 3.7 percent (RPD control limit of 20 percent).

MATRIX SPIKE/MATRIX SPIKE DUPLICATES

Results from two sets of batch specific matrix spike (MS) and matrix spike duplicate (MSD) analyses were provided in support of the VOC analyses. Precision and accuracy, as determined by the MS and MSD analyses, were acceptable, with one exception. MS recoveries ranged from 76 to 101 percent. The 76 percent MS recovery for benzene in the November 8, 2001 spike is below the lower control limit of 79 percent. No action is taken based on the single low MS recovery, as VOCs are not qualified based on MS recoveries alone, and all other associated QC meet required control limits. The maximum RPD between spike recoveries was 4.8 percent (RPD control limit of 20 percent).

LABORATORY AND FIELD DUPLICATE SAMPLE ANALYSES

Laboratory duplicate analyses were not performed or required. Field duplicate samples were not collected.

RESULTS QUANTITATION

STL reported VOC concentrations for sample S-74S from a five fold dilution. Results for sample B-75S were reported from a four fold dilution. Reporting limits are acceptable. No anomalies were noted with results quantitation for the sample submitted.

OVERALL DATA ASSESSMENT

The analytical data quality for samples and analyses listed on page 1 this validation report have been validated in accordance with the procedures described herein. Analytical results were provided in STL Report Number D1K070112 dated November 12, 2001.

All analytical results were found to be quantitative, with no data qualification required.

VALIDATION PERFORMED BY: William W. Huskie, Consulting Geochemist

SIGNATURE: William W. Huskie

DATE: November 15, 2001

VALIDATION OF LABORATORY RESULTS

SAFETY- KLEEN WICHITA RFI INVESTIGATION

SEVERN TRENT LABORATORY (STL) PROJECT NUMBER D1K130262

CAMERON-COLE PROJECT # 1205 - PHASE 2

Detailed in the following pages is the data validation for seven groundwater samples (and associated quality control samples) collected in the vicinity of the Safety-Kleen (S-K) Wichita Facility on November 11, 2001. The samples were collected and analyzed in accordance with the specifications and procedures described in the RCRA Facility Investigation (RFI) Phase I Work Plan (S-K, October 14, 1999) and subsequent Groundwater Monitoring Work Plan Addendums. The following groundwater and QC samples were collected:

Groundwater Samples

SK-11S HRI-03 WND-32 MW-10 MW-11 MW-14
RSCI-1

Quality Control Samples

RB-111101 (Rinsate blank) FB-111101 (Field blank)

Sample SK-28S was prepared as a blind duplicate of MW-11. SK-28S was submitted under a separate chain-of-custody and results are reported in STL report D1K130267. Precision for this duplicate pair is addressed in this validation report.

The samples were submitted to Severn Trent Laboratory (STL) located in Arvada, Colorado. Samples were shipped by overnight courier on November 12, 2001 and were received at the laboratory in good condition on November 13, 2001, at acceptable temperatures ranging from 3.4 to 4.9 degrees Celsius.

Results of the analyses are provided in **STL Laboratory Report D1K130262** dated December 5, 2001.

The samples were tested for the analytes listed in the following Table in accordance with United States Environmental Protection Agency (USEPA) SW-846 methodologies, Standard Methods for Analysis of Water and Wastes, and as described in Table 5 of the RFI Work Plan.

Analysis Requested	Analytical Method	Samples Analyzed
Volatile Organic Compounds (VOCs)	Method 8260B	All samples listed on page 1 of this report
Dissolved Gasses – Ethane, Ethene, and Methane	RSK SOP 175 STL Austin, Texas Laboratory	All samples except: rinsate blank and the field blank,
Dissolved Metals – Calcium, Iron, Potassium, Magnesium, Manganese, and Sodium	Method 6010B	
Total Metals – Iron and Manganese	Method 6010B	
Total Dissolved Solids	Method 160.1	
Alkalinity	Method 310.1	
Nitrate as Nitrogen	Method 353.2	
Ammonia as N	Method 350.1	
Sulfate	Method 375.4	
Chloride	Method 325.2	
Total Organic Carbon	Method 415.1	

Review of this data was performed following the quality assurance/quality control (QA/QC) criteria set forth in the RFI Work Plan, guidance provided in the most recent version of the USEPA Contract Laboratory Program (CLP) Documents providing "National Functional Guidelines for Inorganic and Organic Data Review", and by the professional judgment of a geochemist experienced in the QA/QC evaluation process.

COMPARISON OF REQUESTED AND PERFORMED ANALYSES

The groundwater samples submitted under the chain-of-custodies (COCs) associated with this validation were analyzed and reported as requested.

HOLDING TIME COMPLIANCE

The samples were collected on November 11, 2001 and arrived at the laboratory within two days of collection. Samples submitted for dissolved metals analysis were preserved in the field with nitric acid after field-filtering.

Other analyses requiring preservation were properly preserved. All samples were received at the laboratory properly chilled. STL prepared a holding time report showing all dates of sample collection, analysis, and comparison to required holding times. All analyses were completed within proper holding times for the methods requested.

BLANKS

VOCs - Results from one field blank (FB-111101) and from one peristaltic pump rinsate blank (RB-111101) were provided in support of the VOC analyses. No VOCs were detected in either of the blanks. Results from two method blank were also provided, with no VOCs detected above reporting limits.

Other Parameters - STL provided method blank results associated with the dissolved gasses, total and dissolved metals, and for the complete set of requested general chemistry parameters. No target analytes were detected above reporting limits in any of the method blanks.

SURROGATE RECOVERIES

STL provided recovery results from four surrogate compounds spiked into each sample requiring VOC analysis. All surrogate recoveries were within prescribed control limits, ranging from 83 to 120 percent.

LABORATORY CONTROL SAMPLES

VOCs - Results from two set of laboratory control sample (LCS) and LCS duplicate (LCSD) analyses were provided in support of the VOC analyses. LCS recoveries were acceptable, ranging from 84 to 106 percent. Precision between the LCS and LCSD recoveries was acceptable, with a maximum relative percent difference (RPD) of 5.7 percent (RPD control limit of 20 percent).

Dissolved Gasses - Two sets of LCS and LCSD analyses were provided in support of the dissolved gasses analyses. Precision and accuracy, as demonstrated by these analyses, is acceptable. LCS recoveries were acceptable, ranging from 94 to 103 percent, with a maximum RPD of 3.1 percent.

Metals - One LCS analysis was provided in support of the total metals analyses. One LCS was provided in support of the dissolved metals analyses. Metals LCS recoveries were acceptable, ranging from 97 to 104 percent.

General Chemistry - One set of LCS and LCSD analyses was provided in support of the general chemistry parameters (ammonia, nitrate/nitrite, alkalinity, TDS, and TOC). LCS recoveries were acceptable, ranging from 88 to 105 percent, with a maximum RPD of 3.1 percent (for TDS).

Results from one LCS analysis were provided for chloride and for sulfate. LCS recoveries were acceptable, at 97 and 94 percent, respectively.

MATRIX SPIKE/MATRIX SPIKE DUPLICATES

VOCs - Results from one set of batch specific matrix spike (MS) and matrix spike duplicate (MSD) analyses were provided in support of the VOC analyses. Precision and accuracy, as determined by the MS and MSD analyses, were acceptable, with MS recoveries ranging from 84 to 95 percent. The maximum RPD between spike recoveries was 4.5 percent (RPD control limit of 20 percent). Results from another batch specific MS analysis were provided with recoveries ranging from 81 to 104 percent (the associated MSD analysis was not analyzed due to instrument problems).

Dissolved Gasses - Results from one batch specific MS and MSD analysis were provided in support of the dissolved gasses analyses. Precision and accuracy, as determined by the MS and MSD analyses, were acceptable, with spike recoveries ranging from 92 to 102 percent. The maximum RPD between spike recoveries was 7.5 percent for dissolved methane (RPD control limit of 21 percent).

Metals - Results from one batch specific MS/MSD analysis were provided in support of the total metals, with recoveries ranging from 96 to 100 percent, and a maximum RPD of 0.89 percent. Results from one batch specific MS/MSD analysis were provided in support of the dissolved metals analyses with recoveries ranging from 99 to 108 percent. The maximum RPD between MS results was 2.0 percent for potassium. MS and MSD recoveries were not calculated for dissolved calcium, because the native sample result was more than four times the spike added amount.

General Chemistry - Results from both batch and project specific MS/MSD analyses were provided in support of the general chemistry parameters. Spike recoveries ranged from 96 to 101 percent, with a maximum RPD of 2.5 percent for ammonia. Precision and accuracy, as demonstrated by these analyses, is acceptable.

LABORATORY AND FIELD DUPLICATE SAMPLE ANALYSES

Laboratory duplicate sample results were provided in support of the TDS and alkalinity results. Precision of the duplicate analyses for these analytes was within STL prescribed control limits, with a maximum RPD of 1.4 percent.

Sample SK-28S was prepared as a blind field duplicate of MW-11. SK-28S was submitted under a separate COC and results are reported in STL report D1K130267. Precision for this duplicate pair is addressed herein. Methane, dissolved metals, total metals, and general chemistry analytes were detected in both samples of the primary/duplicate pair. The maximum RPD between any of these detections is 35 percent for dissolved methane. The following VOCs were detected in one or both samples of the duplicate pair:

MW-11

isopropylbenzene, n-propylbenzene, sec-butylbenzene, 1,2,4-trimeth

SK-28S isopropylbenzene, n-propylbenzene, sec-butylbenzene, n-butylbenzene, cis-1,2-DCE, and naphthalene

For the VOCs detected in both samples, precision is acceptable. For the VOCs detected in one sample, but not the other, concentrations agree within two reporting limit increments, and precision is acceptable, with one exception. Results for naphthalene do not agree within reporting limit increments. Due to this poor precision, naphthalene results for both the primary and duplicate samples are determined to be J/Estimated.

TOTAL VERSUS DISSOLVED METALS RESULTS

A comparison of total and dissolved results was performed for each sample analyzed for iron and manganese. A dissolved metal concentration should not exceed that of the associated total metal concentration by more than 10 percent. Dissolved manganese results exceeds those for total manganese by more than 10 percent for the following samples:

SK-11S - dissolved Mn = 0.75 mg/L and total Mn = 0.65 mg/L
WND-32 - dissolved Mn = 3.3 mg/L and total Mn = 1.4 mg/L

Therefore, both total and dissolved manganese values for samples SK-11S and WND-32 may have some bias, and are qualified as J/Estimated.

RESULTS QUANTITATION

STL reported concentrations for some samples from dilutions in order to bring target compound concentrations into proper calibration range. Sample HRI-03 was diluted by a factor of 4 times for VOCs in order to quantitate trichloroethene. Samples MW-10 and MW-14 were diluted by a factor of 40 times each, though no VOC detections were reported. Sulfate results are all reported from five fold dilutions due to elevated sulfate concentrations in the samples.

Methane concentrations for samples MW-10, MW-11, and MW-14 exceeded the linear calibration range in the initial sample analyses. Methane results for these analyses were flagged "E", and should not be used (these data are qualified as R/Rejected). Reanalysis for these samples was performed to bring methane into calibration range. Methane results should be taken from the reanalyses (results flagged "D"). Results for the other dissolved gasses should be taken from the non-diluted analysis.

OVERALL DATA ASSESSMENT

The analytical data quality for samples and analyses listed on pages 1 and 2 of this validation report have been validated in accordance with the procedures described herein. Results were provided in STL report D1K130262 dated December 5, 2001.

All analytical results were found to be quantitative, with the exceptions detailed herein, and as summarized in the following table.

VALIDATION SUMMARY TABLE

Sample ID / Analyte	Data Qualifier	Reason for Qualification
SK-11S and WND-32 / Total and Dissolved Manganese	J/ Estimated	Dissolved manganese result exceeds total manganese result by more than 10 percent
MW-10, MW-11, and MW-14 (Laboratory "E" flagged results) / Methane	R/Rejected	Results reported exceed calibration range and are not accurate. Results from "D-flagged" dilution re-run analyses should be used.
MW-11 / Naphthalene	UJ/Estimated and non-detect	Poor precision between the results of field duplicate samples. Only primary and duplicate samples are qualified.
SK-28S* / Naphthalene	J/Estimated	

* Results found in STL report D1K130267 dated December 5, 2001

Prepared By: William W. Huskie
William W. Huskie
Geochemist

December 10, 2001
Date

VALIDATION OF LABORATORY RESULTS

SAFETY- KLEEN WICHITA RFI INVESTIGATION

SEVERN TRENT LABORATORY (STL) PROJECT NUMBER D1K130267

CAMERON-COLE PROJECT # 1205 - PHASE 2

Detailed in the following pages is the data validation for 12 groundwater samples (and associated quality control samples) collected in the vicinity of the Safety-Kleen (S-K) Wichita Facility on November 11, 2001. The samples were collected and analyzed in accordance with the specifications and procedures described in the RCRA Facility Investigation (RFI) Phase I Work Plan (S-K, October 14, 1999) and subsequent Groundwater Monitoring Work Plan Addendums. The following groundwater and QC samples were collected:

Groundwater Samples

SK-1S	SK-1D	SK-2S	SK-2D	SK-3S	SK-3D
SK-4S	SK-4D	SK-5S	SK-5D	SK-6S	SK-10S

Quality Control Samples

TB-04 (Trip blank) TB-05 (Trip blank)
SK-25D (blind duplicate of SK-1D) SK-26S (blind duplicate of SK-10S)
SK-27S (blind duplicate of SK-3S)
SK-28S (blind duplicate of MW-11) – Note that the results of this duplicate pair are evaluated in the validation letter for STL Report # D1K130262

The samples were submitted to Severn Trent Laboratory (STL) located in Arvada, Colorado. Samples were shipped by overnight courier on November 12, 2001 and were received at the laboratory in good condition on November 13, 2001, at acceptable temperatures ranging from 3.4 to 4.9 degrees Celsius.

Results of the analyses are provided in **STL Laboratory Report D1K130267** dated December 5, 2001.

The samples were tested for the analytes listed in the following Table in accordance with United States Environmental Protection Agency (USEPA) SW-846 methodologies, Standard Methods for Analysis of Water and Wastes, and as described in Table 5 of the RFI Work Plan.

Analysis Requested	Analytical Method	Samples Analyzed
Volatile Organic Compounds (VOCs)	Method 8260B	All samples listed on page 1 of this report
Dissolved Gasses – Ethane, Ethene, and Methane	RSK SOP 175 STL Austin, Texas Laboratory	All samples except: Trip blanks
Dissolved Metals – Calcium, Iron, Potassium, Magnesium, Manganese, and Sodium	Method 6010B	
Total Metals – Iron and Manganese	Method 6010B	
Total Dissolved Solids	Method 160.1	
Alkalinity	Method 310.1	
Nitrate as Nitrogen	Method 353.2	
Ammonia as N	Method 350.1	
Sulfate	Method 375.4	
Chloride	Method 325.2	
Total Organic Carbon	Method 415.1	

Review of this data was performed following the quality assurance/quality control (QA/QC) criteria set forth in the RFI Work Plan, guidance provided in the most recent version of the USEPA Contract Laboratory Program (CLP) Documents providing "National Functional Guidelines for Inorganic and Organic Data Review", and by the professional judgment of a geochemist experienced in the QA/QC evaluation process.

COMPARISON OF REQUESTED AND PERFORMED ANALYSES

The groundwater samples submitted under the chain-of-custodies (COCs) associated with this validation were analyzed and reported as requested.

HOLDING TIME COMPLIANCE

The samples were collected on November 11, 2001 and arrived at the laboratory within two days of collection. Samples submitted for dissolved metals analysis were preserved in the field with nitric acid after field-filtering.

Other analyses requiring preservation were properly preserved. All samples were received at the laboratory properly chilled. STL prepared a holding time report showing all dates of sample collection, analysis, and comparison to required holding times. All analyses were completed within proper holding times for the methods requested.

BLANKS

VOCs - Results from two trip blanks (TB-04 and TB-05) were provided in support of the VOC analyses. No VOCs were detected in either of the trip blanks. Results from two method blanks were also provided, with no VOCs detected above reporting limits.

Other Parameters - STL provided method blank results associated with the dissolved gasses, total and dissolved metals, and for the complete set of requested general chemistry parameters. No target analytes were detected above reporting limits in any of the method blanks analyzed for these parameters.

SURROGATE RECOVERIES

STL provided recovery results from four surrogate compounds spiked into each sample requiring VOC analysis. All surrogate recoveries were within prescribed control limits, ranging from 88 to 118 percent.

LABORATORY CONTROL SAMPLES

VOCs - Results from two sets of laboratory control sample (LCS) and LCS duplicate (LCSD) analyses were provided in support of the VOC analyses. LCS recoveries were acceptable, ranging from 87 to 104 percent. Precision between the LCS and LCSD recoveries was acceptable, with a maximum relative percent difference (RPD) of 4.8 percent for TCE (RPD control limit of 20 percent).

Dissolved Gasses - One set of LCS and LCSD analyses were provided in support of the dissolved gasses analyses. Precision and accuracy, as demonstrated by these analyses, is acceptable. LCS recoveries were acceptable, ranging from 92 to 98 percent, with a maximum RPD of 0.22 percent for ethene.

Metals - One LCS analysis was provided in support of the total metals analyses. One LCS was provided in support of the dissolved metals analyses. Metals LCS recoveries were acceptable, ranging from 95 to 100 percent.

General Chemistry - One set of LCS and LCSD analyses were provided in support of the general chemistry parameters (ammonia, nitrate/nitrite, alkalinity, TDS, and TOC). LCS recoveries were acceptable, ranging from 87 to 106 percent, with a maximum RPD of 9.5 percent (for total alkalinity).

Results from one LCS analysis were provided for chloride and for sulfate. LCS recoveries were acceptable, at 98 and 100 percent, respectively.

MATRIX SPIKE/MATRIX SPIKE DUPLICATES

VOCs - Results from one set of project specific (sample SK-1S) matrix spike (MS) and matrix spike duplicate (MSD) analyses were provided in support of the VOC analyses. Precision and accuracy, as determined by the MS and MSD analyses, were acceptable, with MS recoveries ranging from 95 to 103 percent. The maximum RPD between spike recoveries was 3.4 percent for benzene (RPD control limit of 20 percent). Results from another project specific (SK-5D) MS/MSD analysis were provided with recoveries ranging from 77 to 107 percent. The 77 percent MS recovery for TCE was below the 81 percent lower control limit. No action is taken as precision and accuracy are demonstrated by the other MS/MSD pair and by the associated LCS and LCSD analyses.

Dissolved Gasses - Results from one batch specific MS and MSD analysis were provided in support of the dissolved gasses analyses. Precision and accuracy, as determined by the MS and MSD analyses, were acceptable, with spike recoveries ranging from 85 to 94 percent. The maximum RPD between spike recoveries was 1.1 percent for dissolved ethane (RPD control limit of 14 percent).

Metals - Results from one sample specific (SK-1S) MS/MSD analysis were provided in support of the total and dissolved metals. Total manganese recoveries were acceptable at 103 and 106 percent. Total iron recoveries were not calculated due to the high total iron concentration in the native sample. Dissolved metals spike recoveries were acceptable, ranging from 91 to 102 percent. The maximum RPD between MS results was 1.8 percent for calcium.

General Chemistry - Results from both batch and project specific MS/MSD analyses were provided in support of the general chemistry parameters. Spike recoveries ranged from 94 to 110 percent, with a maximum RPD of 1.9 percent for TOC. Precision and accuracy, as demonstrated by these analyses, is acceptable.

LABORATORY AND FIELD DUPLICATE SAMPLE ANALYSES

Laboratory duplicate sample results were provided in support of the TDS and alkalinity results. Precision of the duplicate analyses for these analytes was within STL prescribed control limits, with a maximum RPD of 13 percent for TDS.

Sample SK-28S was prepared as a blind field duplicate of MW-11. MW-11 was submitted under a separate COC and results are reported in STL report D1K130262. The validation for this duplicate pair is provided in the letter for STL report D1K130262.

Three other field duplicate pairs were collected with the samples submitted under this COC, and are evaluated herein. SK-25D is a blind duplicate of SK-1D; SK-26S is a blind duplicate of SK-10S; and SK-27S is a blind duplicate of SK-3S.

Precision is evaluated as follows:

VOCs – No VOCs were detected in either sample of the SK-25D and SK-1D pair, and precision is determined to be acceptable

1,1-DCA, Cis-1,2-DCE, PCE, TCE, and vinyl chloride were each detected in both samples of the SK-26S and SK-10S pair. Precision between each of these VOC detections was acceptable, with RPDs each less than 40 percent.

Cis-1,2-DCE, ethylbenzene, isopropylbenzene, n-propylbenzene, PCE, toluene, TCE, 1,2,4-TMB, 1,3,5-TMB, o-xylene, and m&p-xylenes were detected in both samples of the SK-3S and SK-27S pair. Isopropylbenzene and naphthalene were additionally detected in the SK-3S sample. Precision between all of the VOC detections was acceptable, with RPDs less than 40 percent, or with results in agreement by two reporting limit increments, or less.

Dissolved Gasses – Precision for dissolved gasses in the three duplicate pairs was acceptable, with RPDs all less than 40 percent. Methane and ethane detections were evaluated.

Metals – Low concentrations of total iron and manganese were detected in the SK-25D and SK-1D pair. Precision is acceptable.

Elevated concentrations of total iron and total manganese were detected in both samples of the SK-26S and SK-10S pair. The RPD for total iron is high at 50 percent. **Due to this poor precision, total iron results for both samples in this duplicate pair are qualified as J/Estimated.**

Elevated concentrations of total iron and total manganese were detected in both samples of the SK-3S and SK-27S pair. The RPD for total iron is high at 61 percent. **Due to this poor precision, total iron results for both samples in this duplicate pair are qualified as J/Estimated.**

General Chemistry – Precision between general chemistry parameter detections for the three duplicate pairs is acceptable for all analytes with the following exception. The RPD for TOC between the SK-3S and SK-27S duplicate pair is high at 71 percent. **Due to this poor precision, TOC results for both samples in this duplicate pair are qualified as J/Estimated.**

TOTAL VERSUS DISSOLVED METALS RESULTS

A comparison of total and dissolved results was performed for each sample analyzed for iron and manganese. A dissolved metal concentration should not exceed that of the associated total metal concentration by more than 10 percent. Dissolved metals concentrations do not exceed these for total metals in any samples, and no action is required.

RESULTS QUANTITATION

STL reported concentrations for some samples from dilutions in order to bring target compound concentrations into proper calibration range. Samples SK-3D, SK-4S, and SK-4D were diluted by factors of 2 times, SK-5S, SK-5D, SK-10S, and SK-26S were diluted by 4 times, and sample SK-27S was diluted by 5 times to quantitate VOCs.

Methane concentrations for samples SK-2S, SK-5S, and SK-28S (MW-11 duplicate) exceeded the linear calibration range in the initial sample analyses. Methane results for these analyses were flagged "E", and are not accurate (the results are qualified as R/Rejected). Reanalysis for these samples was performed to bring methane into calibration range. Methane results should be taken from the reanalyses (results flagged "D"). Results for the other dissolved gassed (ethane and ethene) should be taken from the non-diluted analyses.

OVERALL DATA ASSESSMENT

The analytical data quality for samples and analyses listed on pages 1 and 2 of this validation report have been validated in accordance with the procedures described herein. Results were provided in STL report D1K130267 dated December 5, 2001.

All analytical results were found to be quantitative, with the exceptions detailed herein, and as summarized in the following table.

VALIDATION SUMMARY TABLE

Sample ID / Analyte	Data Qualifier	Reason for Qualification
SK-26S and SK-10S SK-3S and SK-27S / Total iron	J/Estimated	Poor precision between results of field duplicate samples
SK-3S and SK-27S / Total Organic Carbon	J/Estimated	Poor precision between results of field duplicate samples
SK-28S / Naphthalene	J/Estimated	Poor precision between results of field duplicate samples
SK-2S, SK-5S, and SK-28S (MW-11 duplicate) (Laboratory "E" flagged results) / Methane	R/Rejected	Results reported exceed calibration range and are not accurate. Results from dilution re-run analyses ("D-flagged") should be used.

Prepared By: William W. Huskie
 William W. Huskie
 Geochemist

December 10, 2001
 Date

**SEVERN
TRENT
SERVICES**

STL Denver
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Arvada, CO 80002-4517

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www.stl-inc.com

ANALYTICAL REPORT

SAFETY KLEEN (WICHITA, KS)

Lot #: D1K150277

Kay Tauscher

**Cameron-Cole LLC
5777 Central Avenue, Suite 100
Boulder, CO 80301**

SEVERN TRENT LABORATORIES, INC.



**Kae E. Yoder
Project Manager**

December 5, 2001

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Invoice

STL Denver
4955 Yarrow Street
Arvada, CO 80002
Tel: (303) 421-6611
Fax: (303) 431-7171



Number 28032985
STL Project Number D1K150277

Date 05 DEC 01
Customer Number 00408171

REMIT TO:

Severn Trent Laboratories, Inc.
P.O. Box 7777 W4305
Philadelphia, PA 19175-4305

Terms NET 30 DAYS

Customer Contact

SAMPLE RECEIVING DATE : 11/14/01
REPORT DATE : 12/03/01
Kay Tauscher

Bill To

John Arbuthnot
Safety Kleen Inc
13351 Scenic Highway
Baton Rouge, LA 70807

Cameron-Cole LLC
5777 Central Avenue
Suite 100
Boulder, CO 80301

Line No.	Qty.	Matrix Code	Analysis Description	Unit Price	Extended Price
3			WATER, Total Fe/Mn, 6010B	16.00	48.00
3			WATER, Dissolved Ca/Fe/K/Mg/Mn/Na, 6010B	48.00	144.00
3			WATER, Total Dissolved Solids, 160.1	8.00	24.00
3			WATER, Carbonate Alkalinity, 310.1	8.00	24.00
3			WATER, Chloride, 325.2	8.00	24.00
3			WATER, Nitrate-Nitrite, 353.2	8.00	24.00
3			WATER, Total Organic Carbon, 415.1	23.00	69.00
3			WATER, Sulfate, 375.4	10.00	30.00
3			WATER, Bicarbonate Alkalinity, 310.1	8.00	24.00
3			WATER, Total Alkalinity, 310.1	8.00	24.00
3			WATER, Ammonia Nitrogen, 350.1	8.00	24.00
3			WATER, Total Metals Digestion	3.00	9.00
3			WATER, Dissolved Metals Digestion	3.00	9.00
3			WATER, Dissolved Gases, RSK175	143.00	429.00
7			WATER, Volatile Organics, 8260B	97.00	679.00
2			*QC* WATER, MS/MSD Total Fe/Mn, 6010B	16.00	32.00
2			*QC* WATER, MS/MSD Diss. Ca/Fe/K/Mg/Mn/Na, 6010B	48.00	96.00
2			*QC* WATER, MS/MSD Chloride, 325.2	8.00	16.00
2			*QC* WATER, MS/MSD Nitrate-Nitrite, 353.2	8.00	16.00
2			*QC* WATER, MS/MSD Total Organic Carbon, 310.1	23.00	46.00
2			*QC* WATER, MS/MSD Sulfate, 375.4	10.00	20.00
2			*QC* WATER, MS/MSD Ammonia Nitrogen, 350.1	8.00	16.00
2			*QC* WATER, MS/MSD Volatile Organics, 8260B	97.00	194.00
2			*QC* WATER, MS/MSD Dissolved Gases, RSK175	143.00	286.00

NOTE: Applicable samples will be stored at no extra charge for a period of 30 days following the final report. Samples will be properly disposed of after 30 days, unless notified otherwise in writing.

Please reference Invoice number when remitting.

Customer P.O. Number / Contract Number / Reference

STL Project Manager
Kae Yoder

Salesperson

Sub Total
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2,307.00

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Report Contents

Total Number of Pages

Standard Deliverables

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- Method/Analyst Summary
- Lot Sample Summary
- Analytical Results
- QC Data Association Summary
- Hold Time Report
- Chain-of-Custody

CASE NARRATIVE

Client Name: Safety-Kleen (Wichita)
 Project Name:
 Project Number:
 Sample Delivery Group: D1K150277
 Narrative Date: 12/05/01

Sample Receipt

- Four water samples, one field blank, one rinse blank and one trip blank, submitted by Safety-Kleen (Wichita), Inc., were received by STL Denver on November 14, 2001, according to documented sample acceptance procedures. The samples were received intact at temperatures of 5.3°C and 5.8°C. Analyses requested on the associated chains-of-custody are as follows: GC/MS Volatiles, Dissolved Gases, Dissolved Metals, Total Metals, and General Chemistry.
- As instructed by the client, the samples presented in this report were analyzed for Sulfate, Ammonia Nitrogen and Nitrate-Nitrite, in addition to the analyses requested on the chains-of-custody. The chains-of-custody have been revised to reflect this change. No other anomalies were encountered during sample receipt.
- The Dissolved Gases analyses presented in this report were performed at the STL Austin facility.

GC/MS Volatiles

- Sample analysis did not reveal any detected target analytes at or above Safety-Kleen (Wichita)'s RLs, with the exception of the items noted in the following table.

Sample ID	Parameter	Detection	RL	Units
B-69-18	1,1-Dichloroethane	8.0	1.0	ug/L
	cis-1,2-Dichloroethene	3.8	1.0	ug/L
	Tetrachloroethene	1.5	1.0	ug/L
	1,1,1-Trichloroethane	3.2	1.0	ug/L
	Trichloroethene	2.0	1.0	ug/L
	Vinyl chloride	39	1.0	ug/L
TB-07	Methylene chloride	1.2	1.0	ug/L
SK-B68	1,1-Dichloroethane	2.7	2.5	ug/L
	cis-1,2-Dichloroethene	89	2.5	ug/L
	Tetrachloroethene	5.9	2.5	ug/L
	1,1,1-Trichloroethane	20	2.5	ug/L
	Trichloroethene	8.3	2.5	ug/L
SK-29S	1,1-Dichloroethane	18	10	ug/L
	cis-1,2-Dichloroethene	370	10	ug/L
	Tetrachloroethene	26	10	ug/L
	1,1,1-Trichloroethane	120	10	ug/L
	Trichloroethene	40	10	ug/L
WND-32D	cis-1,2-Dichloroethene	17	2.0	ug/L
	Trichloroethene	110	2.0	ug/L

- The samples were analyzed within holding time and without incident, with the exception of the following items noted.
- Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. In some cases, due to analytes present above the linear calibration curve, samples had to be analyzed at a dilution. For samples analyzed at a dilution, the reporting limits have been adjusted relative to the dilution required. The following table details the associated dilutions.

Sample ID	Dilution
SK-B68	1:2.5
SK-29S	1:10
WND-32D	1:2

- Client specific MS/MSD was performed on sample WND-32D, as requested. All spike parameters were within QC control limits with the exception of the items noted in the following table. The acceptable LCS analysis data indicated that the analytical system was operating in control; therefore, corrective action is deemed unnecessary.

Parameter	MS %Rec	MSD %Rec	Recovery Limits	RPD	RPD Limits
Trichloroethene	18	0.45	81-121	3.2	0-20

Dissolved Gases

- Sample analysis did not reveal any detected target analytes at or above Safety-Kleen (Wichita)'s RLs, with the exception of the items noted in the following table.

Sample ID	Parameter	Detection	RL	Units
SK-B68	Methane	460 E	0.50	ug/L
SK-B68 RE	Methane	700 D	5.0	ug/L
SK-29S	Methane	480 E	0.50	ug/L
SK-29S RE	Methane	740 D	5.0	ug/L
WND-32D	Methane	2.6	0.50	ug/L

- The samples were analyzed within holding time and without incident, with the exception of the following items noted.
- Samples SK-B68 and SK-29S exhibited concentrations that were above the linear calibration curve for Methane. The results in the analytical report have been flagged with an "E", as these are estimated values. The samples were reanalyzed with the necessary dilutions. The reporting limits have been adjusted relative to the dilution required, and the results have been flagged with a "D", as these results were obtained from the analysis of a dilution. Both the original and reanalysis data have been provided for comparison.

Total and Dissolved Metals

- Sample analysis revealed detectable concentrations at or above Safety-Kleen (Wichita)'s RLs, as detailed in the Executive Summary-Detection Highlights Report. The samples were analyzed within holding time and without incident, with the exception of the following item noted.
- Client specific MS/MSD was performed on sample WND-32D, as requested. All spike parameters were within QC control limits with the exception of the items noted in the following table. The acceptable LCS data indicated that the analytical system was operating in control; therefore, corrective action is deemed unnecessary.

Parameter	MS %Rec	MSD %Rec	Recovery Limits	RPD	RPD Limits
Dissolved Calcium	97	109	88-108	3.0	0-20

- Percent recoveries and RPD data could not be calculated, for the Total Iron MS/MSD performed on sample WND-32D, due to the sample concentrations reading greater than four times the spike amount.

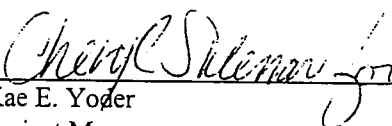
General Chemistry


- Sample analysis revealed detectable concentrations at or above Safety-Kleen (Wichita)'s RLs. as detailed in the Executive Summary-Detection Highlights Report. The samples were analyzed within holding time and without incident, with the exception of the following items noted.
- The sample was analyzed to achieve the lowest possible reporting limits within the constraints of the method. Due to high target constituent concentration, the Sulfate analysis for sample WND-32D was performed at a 1:10 dilution. The result in the analytical report has been flagged with a "Q" and the reporting limit has been adjusted relative to the dilution required.
- The Total Dissolved Solids analyses for samples SK-B68, SK-29S, WND-32D and the sample duplicate analysis performed on sample WND-32D, exhibited elevated reporting limits due to matrix interference. Results in the analytical report have been flagged with a "G".
- Client specific MS/MSD was performed on sample WND-32D, as requested. All spike parameters were within QC control limits with the exception of the items noted in the following table. The acceptable LCS/LCSD analysis data indicated that the analytical system was operating in control; therefore, corrective action is deemed unnecessary.

Parameter	MS %Rec	MSD %Rec	Recovery Limits	RPD	RPD Limits
Ammonia Nitrogen	85	84	90-110	1.9	0-10
Nitrate-Nitrite	88	87	90-110	0.69	0-10

These data and reporting limits are being used specifically to meet the needs of this project. All RLs are supported by STL Denver's Method Detection Limits (MDLs). Reporting limits in this report are at or above the MDL.

I certify that the data presented in this report are accurate, complete, and meets the minimum quality assurance standards in 40-CFR 136, 40-CFR 141, and/or SW846. The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. An assessment of the quality of the data, noting any exceptions, outliers, and/or problems encountered have been narrated herein.


Kae E. Yozer
Project Manager


Date

EXECUTIVE SUMMARY - Detection Highlights

D1K150277

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
B-69-18 11/12/01 11:25 001				
1,1-Dichloroethane	8.0	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	3.8	1.0	ug/L	SW846 8260B
Tetrachloroethene	1.5	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	3.2	1.0	ug/L	SW846 8260B
Trichloroethene	2.0	1.0	ug/L	SW846 8260B
Vinyl chloride	39	1.0	ug/L	SW846 8260B
TB-07 11/12/01 002				
Methylene chloride	1.2	1.0	ug/L	SW846 8260B
SK-B68 11/12/01 10:00 004				
Methane	460 E	0.50	ug/L	RSK SOP-175
Methane	700 D	5.0	ug/L	RSK SOP-175
Calcium - DISSOLVED	127	0.20	mg/L	SW846 6010B
Iron - DISSOLVED	0.84	0.10	mg/L	SW846 6010B
Potassium - DISSOLVED	3.1	3.0	mg/L	SW846 6010B
Magnesium - DISSOLVED	36.4	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	1.1	0.010	mg/L	SW846 6010B
Sodium - DISSOLVED	54.4	5.0	mg/L	SW846 6010B
Iron	14.2	0.10	mg/L	SW846 6010B
Manganese	1.2	0.010	mg/L	SW846 6010B
1,1-Dichloroethane	2.7	2.5	ug/L	SW846 8260B
cis-1,2-Dichloroethene	89	2.5	ug/L	SW846 8260B
Tetrachloroethene	5.9	2.5	ug/L	SW846 8260B
1,1,1-Trichloroethane	20	2.5	ug/L	SW846 8260B
Trichloroethene	8.3	2.5	ug/L	SW846 8260B
Total Dissolved	658 G	20.0	mg/L	MCAWW 160.1
Solids				
Chloride	65.6	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	0.36	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	2.6	1.0	mg/L	MCAWW 415.1
Sulfate	42.8	5.0	mg/L	MCAWW 375.4
Bicarbonate	482	5.0	mg/L	MCAWW 310.1
Alkalinity				
Total Alkalinity	482	5.0	mg/L	MCAWW 310.1
Ammonia as N	0.27	0.10	mg/L	MCAWW 350.1

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

DIK150277

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SK-29S 11/12/01 13:30 005				
Methane	480 E	0.50	ug/L	RSK SOP-175
Methane	740 D	5.0	ug/L	RSK SOP-175
Calcium - DISSOLVED	127	0.20	mg/L	SW846 6010B
Iron - DISSOLVED	0.80	0.10	mg/L	SW846 6010B
Potassium - DISSOLVED	3.1	3.0	mg/L	SW846 6010B
Magnesium - DISSOLVED	36.6	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	1.1	0.010	mg/L	SW846 6010B
Sodium - DISSOLVED	55.5	5.0	mg/L	SW846 6010B
Iron	10.8	0.10	mg/L	SW846 6010B
Manganese	1.2	0.010	mg/L	SW846 6010B
1,1-Dichloroethane	18	10	ug/L	SW846 8260B
cis-1,2-Dichloroethene	370	10	ug/L	SW846 8260B
Tetrachloroethene	26	10	ug/L	SW846 8260B
1,1,1-Trichloroethane	120	10	ug/L	SW846 8260B
Trichloroethene	40	10	ug/L	SW846 8260B
Total Dissolved	674 G	20.0	mg/L	MCAWW 160.1
Solids				
Chloride	65.5	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	0.31	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	2.7	1.0	mg/L	MCAWW 415.1
Sulfate	48.3	5.0	mg/L	MCAWW 375.4
Bicarbonate	485	5.0	mg/L	MCAWW 310.1
Alkalinity				
Total Alkalinity	485	5.0	mg/L	MCAWW 310.1
Ammonia as N	0.25	0.10	mg/L	MCAWW 350.1
WND-32D 11/12/01 17:00 006				
Methane	2.6	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	136	0.20	mg/L	SW846 6010B
Magnesium - DISSOLVED	55.8	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	0.080	0.010	mg/L	SW846 6010B
Sodium - DISSOLVED	52.6	5.0	mg/L	SW846 6010B
Iron	55.3	0.10	mg/L	SW846 6010B
Manganese	1.3	0.010	mg/L	SW846 6010B
cis-1,2-Dichloroethene	17	2.0	ug/L	SW846 8260B
Trichloroethene	110	2.0	ug/L	SW846 8260B
Total Dissolved	1070 G	20.0	mg/L	MCAWW 160.1
Solids				
Chloride	80.1	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	3.1	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	2.4	1.0	mg/L	MCAWW 415.1
Sulfate	231 Q	50.0	mg/L	MCAWW 375.4

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

DIK150277

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
WND-32D 11/12/01 17:00 006				
Bicarbonate Alkalinity	324	5.0	mg/L	MCAWW 310.1
Total Alkalinity	324	5.0	mg/L	MCAWW 310.1

METHODS SUMMARY

D1K150277

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Alkalinity	MCAWW 310.1	MCAWW 310.1
Bicarbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Carbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Chloride (Colorimetric, Automated Ferricyanide)	MCAWW 325.2	MCAWW 325.2
Dissolved Gases in Water	RSK SOP-175	EPA-9 RSK-175
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3005A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3010A
Nitrate-Nitrite	MCAWW 353.2	MCAWW 353.2
Nitrogen, Ammonia	MCAWW 350.1	MCAWW 350.1
Sulfate	MCAWW 375.4	MCAWW 375.4
Total Organic Carbon	MCAWW 415.1	MCAWW 415.1
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

- MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.
- RSK Sample Prep and Calculations for Dissolved Gas Analysis in Water Samples Using a GC Headspace Equilibration Technique, RSKSOP-175, REV. 0, 8/11/94, USEPA Research Lab
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

DLK150277

<u>ANALYTICAL METHOD</u>	<u>ANALYST</u>	<u>ANALYST ID</u>
MCAWW 160.1	Lisa Finkle	003889
MCAWW 310.1	Ewa Kudla	001167
MCAWW 325.2	Maria Fayard	002596
MCAWW 350.1	Sara Agner	008534
MCAWW 353.2	Roxanne K. Sullivan	001200
MCAWW 375.4	Maria Fayard	002596
MCAWW 415.1	Dave Elkin	000901
RSK SOP-175	William Jaycox	800012
SW846 6010B	Lynn-Anne Trudell	006645
SW846 6010B	Steve Mustain	006720
SW846 8260B	Mike G. Hoffman	001880

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes",
EPA-600/4-79-020, March 1983 and subsequent revisions.

RSK Sample Prep and Calculations for Dissolved Gas Analysis
in Water Samples Using a GC Headspace Equilibration
Technique, RSKSOP-175, REV. 0, 8/11/94, USEPA Research Lab

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

D1K150277

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EN28N	001	B-69-18	11/12/01	11:25
EN28R	002	TB-07	11/12/01	
EN28X	003	FB-111201	11/12/01	17:00
EN282	004	SK-B68	11/12/01	10:00
EN29H	005	SK-29S	11/12/01	13:30
EN29M	006	WND-32D	11/12/01	17:00
EN29P	007	RB-111201	11/12/01	16:30

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

CAMERON-COLE LLC

Client Sample ID: B-69-18

GC/MS Volatiles

Lot-Sample #....: D1K150277-001 Work Order #....: EN28N1AA Matrix.....: WATER
 Date Sampled....: 11/12/01 11:25 Date Received...: 11/14/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1328124 Analysis Time...: 08:05
 Dilution Factor: 1
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	8.0	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	3.8	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

(Continued on next page)

CAMERON-COLE LLC

Client Sample ID: B-69-18

GC/MS Volatiles

Lot-Sample #....: D1K150277-001 Work Order #....: EN28N1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	1.5	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	3.2	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	2.0	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	39	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(80 - 120)
1,2-Dichloroethane-d4	91	(72 - 127)
4-Bromofluorobenzene	102	(79 - 119)
Toluene-d8	105	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: TB-07

GC/MS Volatiles

Lot-Sample #....: D1K150277-002 Work Order #....: EN28R1AA Matrix.....: WATER
 Date Sampled....: 11/12/01 Date Received...: 11/14/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1328124 Analysis Time...: 08:26
 Dilution Factor: 1
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	1.2	1.0	ug/L
Naphthalene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: TB-07

GC/MS Volatiles

Lot-Sample #...: D1K150277-002 Work Order #...: EN28R1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
SURROGATE	PERCENT	RECOVERY	
	RECOVERY	LIMITS	
Dibromofluoromethane	99	(80 - 120)	
1,2-Dichloroethane-d4	92	(72 - 127)	
4-Bromofluorobenzene	97	(79 - 119)	
Toluene-d8	103	(79 - 119)	

CAMERON-COLE LLC

Client Sample ID: FB-111201

GC/MS Volatiles

Lot-Sample #....: D1K150277-003 Work Order #....: EN28X1AA Matrix.....: WATER
 Date Sampled....: 11/12/01 17:00 Date Received...: 11/14/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1328124 Analysis Time...: 08:48
 Dilution Factor: 1
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: FB-111201

GC/MS Volatiles

Lot-Sample #...: D1K150277-003 Work Order #...: EN28X1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
SURROGATE	PERCENT	RECOVERY	
	RECOVERY	LIMITS	
Dibromofluoromethane	101	(80 - 120)	
1,2-Dichloroethane-d4	93	(72 - 127)	
4-Bromofluorobenzene	99	(79 - 119)	
Toluene-d8	103	(79 - 119)	

CAMERON-COLE LLC

Client Sample ID: SK-B68

GC/MS Volatiles

Lot-Sample #....: D1K150277-004 Work Order #....: EN2821AA Matrix.....: WATER
 Date Sampled....: 11/12/01 10:00 Date Received...: 11/14/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1328124 Analysis Time...: 06:25
 Dilution Factor: 2.5
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	2.5	ug/L
Bromobenzene	ND	2.5	ug/L
Bromochloromethane	ND	2.5	ug/L
Bromodichloromethane	ND	2.5	ug/L
Bromoform	ND	2.5	ug/L
Bromomethane	ND	5.0	ug/L
n-Butylbenzene	ND	2.5	ug/L
sec-Butylbenzene	ND	2.5	ug/L
tert-Butylbenzene	ND	2.5	ug/L
Carbon tetrachloride	ND	2.5	ug/L
Chlorobenzene	ND	2.5	ug/L
Chlorodibromomethane	ND	2.5	ug/L
Chloroethane	ND	5.0	ug/L
Chloroform	ND	2.5	ug/L
Chloromethane	ND	5.0	ug/L
2-Chlorotoluene	ND	2.5	ug/L
4-Chlorotoluene	ND	2.5	ug/L
Dibromomethane	ND	2.5	ug/L
1,2-Dichlorobenzene	ND	2.5	ug/L
1,3-Dichlorobenzene	ND	2.5	ug/L
1,4-Dichlorobenzene	ND	2.5	ug/L
Dichlorodifluoromethane	ND	5.0	ug/L
1,1-Dichloroethane	2.7	2.5	ug/L
1,2-Dichloroethane	ND	2.5	ug/L
1,1-Dichloroethene	ND	2.5	ug/L
cis-1,2-Dichloroethene	89	2.5	ug/L
trans-1,2-Dichloroethene	ND	1.2	ug/L
1,2-Dichloropropane	ND	2.5	ug/L
1,3-Dichloropropane	ND	2.5	ug/L
2,2-Dichloropropane	ND	12	ug/L
1,1-Dichloropropene	ND	2.5	ug/L
Ethylbenzene	ND	2.5	ug/L
Trichlorofluoromethane	ND	5.0	ug/L
Hexachlorobutadiene	ND	2.5	ug/L
Isopropylbenzene	ND	2.5	ug/L
p-Isopropyltoluene	ND	2.5	ug/L
Methylene chloride	ND	2.5	ug/L
Naphthalene	ND	2.5	ug/L

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CAMERON-COLE LLC

Client Sample ID: SK-B68

GC/MS Volatiles

Lot-Sample #...: D1K150277-004 Work Order #...: EN2821AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
n-Propylbenzene	ND	2.5	ug/L
Styrene	ND	2.5	ug/L
1,1,1,2-Tetrachloroethane	ND	2.5	ug/L
1,1,2,2-Tetrachloroethane	ND	2.5	ug/L
Tetrachloroethene	5.9	2.5	ug/L
Toluene	ND	2.5	ug/L
1,2,3-Trichlorobenzene	ND	2.5	ug/L
1,2,4-Trichloro- benzene	ND	2.5	ug/L
1,1,1-Trichloroethane	20	2.5	ug/L
1,1,2-Trichloroethane	ND	2.5	ug/L
Trichloroethene	8.3	2.5	ug/L
1,2,3-Trichloropropane	ND	2.5	ug/L
1,2,4-Trimethylbenzene	ND	2.5	ug/L
1,3,5-Trimethylbenzene	ND	2.5	ug/L
Vinyl chloride	ND	2.5	ug/L
o-Xylene	ND	2.5	ug/L
m-Xylene & p-Xylene	ND	5.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	5.0	ug/L
1,2-Dibromoethane (EDB)	ND	2.5	ug/L
SURROGATE	PERCENT	RECOVERY	
	RECOVERY	LIMITS	
Dibromofluoromethane	97	(80 - 120)	
1,2-Dichloroethane-d4	91	(72 - 127)	
4-Bromofluorobenzene	98	(79 - 119)	
Toluene-d8	104	(79 - 119)	

CAMERON-COLE LLC

Client Sample ID: SK-29S

GC/MS Volatiles

Lot-Sample #....: D1K150277-005 Work Order #....: EN29H1AC Matrix.....: WATER
 Date Sampled....: 11/12/01 13:30 Date Received...: 11/14/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1328124 Analysis Time...: 06:04
 Dilution Factor: 10

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	10	ug/L
Bromobenzene	ND	10	ug/L
Bromochloromethane	ND	10	ug/L
Bromodichloromethane	ND	10	ug/L
Bromoform	ND	10	ug/L
Bromomethane	ND	20	ug/L
n-Butylbenzene	ND	10	ug/L
sec-Butylbenzene	ND	10	ug/L
tert-Butylbenzene	ND	10	ug/L
Carbon tetrachloride	ND	10	ug/L
Chlorobenzene	ND	10	ug/L
Chlorodibromomethane	ND	10	ug/L
Chloroethane	ND	20	ug/L
Chloroform	ND	10	ug/L
Chloromethane	ND	20	ug/L
2-Chlorotoluene	ND	10	ug/L
4-Chlorotoluene	ND	10	ug/L
Dibromomethane	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
Dichlorodifluoromethane	ND	20	ug/L
1,1-Dichloroethane	18	10	ug/L
1,2-Dichloroethane	ND	10	ug/L
1,1-Dichloroethene	ND	10	ug/L
cis-1,2-Dichloroethene	370	10	ug/L
trans-1,2-Dichloroethene	ND	5.0	ug/L
1,2-Dichloropropane	ND	10	ug/L
1,3-Dichloropropane	ND	10	ug/L
2,2-Dichloropropane	ND	50	ug/L
1,1-Dichloropropene	ND	10	ug/L
Ethylbenzene	ND	10	ug/L
Trichlorofluoromethane	ND	20	ug/L
Hexachlorobutadiene	ND	10	ug/L
Isopropylbenzene	ND	10	ug/L
p-Isopropyltoluene	ND	10	ug/L
Methylene chloride	ND	10	ug/L
Naphthalene	ND	10	ug/L

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CAMERON-COLE LLC

Client Sample ID: SK-29S

GC/MS Volatiles

Lot-Sample #....: D1K150277-005 Work Order #....: EN29H1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	10	ug/L
Styrene	ND	10	ug/L
1,1,1,2-Tetrachloroethane	ND	10	ug/L
1,1,2,2-Tetrachloroethane	ND	10	ug/L
Tetrachloroethene	26	10	ug/L
Toluene	ND	10	ug/L
1,2,3-Trichlorobenzene	ND	10	ug/L
1,2,4-Trichloro- benzene	ND	10	ug/L
1,1,1-Trichloroethane	120	10	ug/L
1,1,2-Trichloroethane	ND	10	ug/L
Trichloroethene	40	10	ug/L
1,2,3-Trichloropropane	ND	10	ug/L
1,2,4-Trimethylbenzene	ND	10	ug/L
1,3,5-Trimethylbenzene	ND	10	ug/L
Vinyl chloride	ND	10	ug/L
o-Xylene	ND	10	ug/L
m-Xylene & p-Xylene	ND	20	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	20	ug/L
1,2-Dibromoethane (EDB)	ND	10	ug/L
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	
Dibromofluoromethane	104	(80 - 120)	
1,2-Dichloroethane-d4	101	(72 - 127)	
4-Bromofluorobenzene	100	(79 - 119)	
Toluene-d8	102	(79 - 119)	

CAMERON-COLE LLC

Client Sample ID: WND-32D

GC/MS Volatiles

Lot-Sample #....: D1K150277-006 Work Order #....: EN29M1AC Matrix.....: WATER
 Date Sampled....: 11/12/01 17:00 Date Received...: 11/14/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1328124 Analysis Time...: 07:01
 Dilution Factor: 2
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
1,4-Dichlorobenzene	ND	2.0	ug/L
Dichlorodifluoromethane	ND	4.0	ug/L
1,1-Dichloroethane	ND	2.0	ug/L
1,2-Dichloroethane	ND	2.0	ug/L
1,1-Dichloroethene	ND	2.0	ug/L
cis-1,2-Dichloroethene	17	2.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	2.0	ug/L
1,3-Dichloropropane	ND	2.0	ug/L
2,2-Dichloropropane	ND	10	ug/L
1,1-Dichloropropene	ND	2.0	ug/L
Ethylbenzene	ND	2.0	ug/L
Trichlorofluoromethane	ND	4.0	ug/L
Hexachlorobutadiene	ND	2.0	ug/L
Isopropylbenzene	ND	2.0	ug/L
p-Isopropyltoluene	ND	2.0	ug/L
Methylene chloride	ND	2.0	ug/L
Naphthalene	ND	2.0	ug/L
n-Propylbenzene	ND	2.0	ug/L
Styrene	ND	2.0	ug/L
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L
Tetrachloroethene	ND	2.0	ug/L
Toluene	ND	2.0	ug/L
1,2,3-Trichlorobenzene	ND	2.0	ug/L
1,2,4-Trichloro- benzene	ND	2.0	ug/L
1,1,1-Trichloroethane	ND	2.0	ug/L
1,1,2-Trichloroethane	ND	2.0	ug/L
Trichloroethene	110	2.0	ug/L
1,2,3-Trichloropropane	ND	2.0	ug/L
1,2,4-Trimethylbenzene	ND	2.0	ug/L
1,3,5-Trimethylbenzene	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
o-Xylene	ND	2.0	ug/L
m-Xylene & p-Xylene	ND	4.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	4.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: WND-32D

GC/MS Volatiles

Lot-Sample #....: D1K150277-006 Work Order #....: EN29M1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,2-Dibromoethane (EDB)	ND	2.0	ug/L
Benzene	ND	2.0	ug/L
Bromobenzene	ND	2.0	ug/L
Bromochloromethane	ND	2.0	ug/L
Bromodichloromethane	ND	2.0	ug/L
Bromoform	ND	2.0	ug/L
Bromomethane	ND	4.0	ug/L
n-Butylbenzene	ND	2.0	ug/L
sec-Butylbenzene	ND	2.0	ug/L
tert-Butylbenzene	ND	2.0	ug/L
Carbon tetrachloride	ND	2.0	ug/L
Chlorobenzene	ND	2.0	ug/L
Chlorodibromomethane	ND	2.0	ug/L
Chloroethane	ND	4.0	ug/L
Chloroform	ND	2.0	ug/L
Chloromethane	ND	4.0	ug/L
2-Chlorotoluene	ND	2.0	ug/L
4-Chlorotoluene	ND	2.0	ug/L
Dibromomethane	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	2.0	ug/L
1,3-Dichlorobenzene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(80 - 120)
1,2-Dichloroethane-d4	86	(72 - 127)
4-Bromofluorobenzene	91	(79 - 119)
Toluene-d8	111	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: RB-111201

GC/MS Volatiles

Lot-Sample #....: D1K150277-007 Work Order #....: EN29P1AA Matrix.....: WATER
Date Sampled....: 11/12/01 16:30 Date Received...: 11/14/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1328124 Analysis Time...: 09:10
Dilution Factor: 1
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: RB-111201

GC/MS Volatiles

Lot-Sample #....: D1K150277-007 Work Order #....: EN29P1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Benzene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(80 - 120)
1,2-Dichloroethane-d4	95	(72 - 127)
4-Bromofluorobenzene	99	(79 - 119)
Toluene-d8	101	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: SK-B68

GC Volatiles

Lot-Sample #....: D1K150277-004 Work Order #....: EN2821AC Matrix.....: WATER
Date Sampled....: 11/12/01 10:00 Date Received...: 11/14/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332454 Analysis Time...: 04:51
Dilution Factor: 1
Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	460 E	0.50	ug/L

NOTE(S) :

E Estimated result. Result concentration exceeds the calibration range.

CAMERON-COLE LLC

Client Sample ID: SK-B68

GC Volatiles

Lot-Sample #...: D1K150277-004 Work Order #...: EN2822AC Matrix.....: WATER
Date Sampled...: 11/12/01 10:00 Date Received...: 11/14/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #...: 1332454 Analysis Time...: 04:57
Dilution Factor: 10
Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	5.0	ug/L
Ethene	ND	5.0	ug/L
Methane	700 D	5.0	ug/L

NOTE(S):

D Result was obtained from the analysis of a dilution.

CAMERON-COLE LLC

Client Sample ID: SK-29S

GC Volatiles

Lot-Sample #....: D1K150277-005 Work Order #....: EN29H1AD Matrix.....: WATER
Date Sampled....: 11/12/01 13:30 Date Received...: 11/14/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332454 Analysis Time...: 05:03
Dilution Factor: 1
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	480 E	0.50	ug/L

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

CAMERON-COLE LLC

Client Sample ID: SK-29S

GC Volatiles

Lot-Sample #...: D1K150277-005 Work Order #...: EN29H2AD Matrix.....: WATER
Date Sampled...: 11/12/01 13:30 Date Received...: 11/14/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #...: 1332454 Analysis Time...: 05:10
Dilution Factor: 10

Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	5.0	ug/L
Ethene	ND	5.0	ug/L
Methane	740 D	5.0	ug/L

NOTE(S) :

D Result was obtained from the analysis of a dilution.

CAMERON-COLE LLC

Client Sample ID: WND-32D

GC Volatiles

Lot-Sample #....: D1K150277-006 Work Order #....: EN29M1AD Matrix.....: WATER
Date Sampled....: 11/12/01 17:00 Date Received...: 11/14/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332454 Analysis Time...: 05:16
Dilution Factor: 1

Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	2.6	0.50	ug/L

CAMERON-COLE LLC

Client Sample ID: SK-B68

TOTAL Metals

Lot-Sample #...: D1K150277-004

Matrix.....: WATER

Date Sampled...: 11/12/01 10:00 Date Received...: 11/14/01

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 1324582						
Iron	14.2	0.10	mg/L	SW846 6010B	11/20-11/27/01	EN2821AD
		Dilution Factor: 1		Analysis Time...: 09:53		
Manganese	1.2	0.010	mg/L	SW846 6010B	11/20-11/27/01	EN2821AE
		Dilution Factor: 1		Analysis Time...: 23:09		

CAMERON-COLE LLC

Client Sample ID: SK-B68

DISSOLVED Metals

Lot-Sample #...: D1K150277-004

Matrix.....: WATER

Date Sampled...: 11/12/01 10:00 Date Received...: 11/14/01

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 1324312						
Calcium	127	0.20	mg/L	SW846 6010B	11/20-11/27/01	EN2821AG
		Dilution Factor: 1		Analysis Time...: 17:01		
Iron	0.84	0.10	mg/L	SW846 6010B	11/20-11/27/01	EN2821AH
		Dilution Factor: 1		Analysis Time...: 17:01		
Potassium	3.1	3.0	mg/L	SW846 6010B	11/20-11/27/01	EN2821AL
		Dilution Factor: 1		Analysis Time...: 17:01		
Magnesium	36.4	0.20	mg/L	SW846 6010B	11/20-11/27/01	EN2821AJ
		Dilution Factor: 1		Analysis Time...: 17:01		
Manganese	1.1	0.010	mg/L	SW846 6010B	11/20-11/27/01	EN2821AK
		Dilution Factor: 1		Analysis Time...: 17:01		
Sodium	54.4	5.0	mg/L	SW846 6010B	11/20-11/27/01	EN2821AF
		Dilution Factor: 1		Analysis Time...: 17:01		

CAMERON-COLE LLC

Client Sample ID: SK-29S

TOTAL Metals

Lot-Sample #...: D1K150277-005

Matrix.....: WATER

Date Sampled...: 11/12/01 13:30 Date Received...: 11/14/01

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 1324582						
Iron	10.8	0.10	mg/L	SW846 6010B	11/20-11/27/01	EN29H1AE
		Dilution Factor: 1		Analysis Time...: 09:57		
Manganese	1.2	0.010	mg/L	SW846 6010B	11/20-11/27/01	EN29H1AF
		Dilution Factor: 1		Analysis Time...: 23:14		

CAMERON-COLE LLC

Client Sample ID: SK-29S

DISSOLVED Metals

Lot-Sample #...: D1K150277-005

Date Sampled...: 11/12/01 13:30 Date Received...: 11/14/01

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 1324312						
Calcium	127	0.20	mg/L	SW846 6010B	11/20-11/27/01	EN29H1AH
		Dilution Factor: 1		Analysis Time...: 17:05		
Iron	0.80	0.10	mg/L	SW846 6010B	11/20-11/27/01	EN29H1AJ
		Dilution Factor: 1		Analysis Time...: 17:05		
Potassium	3.1	3.0	mg/L	SW846 6010B	11/20-11/27/01	EN29H1AM
		Dilution Factor: 1		Analysis Time...: 17:05		
Magnesium	36.6	0.20	mg/L	SW846 6010B	11/20-11/27/01	EN29H1AK
		Dilution Factor: 1		Analysis Time...: 17:05		
Manganese	1.1	0.010	mg/L	SW846 6010B	11/20-11/27/01	EN29H1AL
		Dilution Factor: 1		Analysis Time...: 17:05		
Sodium	55.5	5.0	mg/L	SW846 6010B	11/20-11/27/01	EN29H1AG
		Dilution Factor: 1		Analysis Time...: 17:05		

CAMERON-COLE LLC

Client Sample ID: WND-32D

TOTAL Metals

Lot-Sample #...: D1K150277-006

Matrix.....: WATER

Date Sampled...: 11/12/01 17:00 Date Received...: 11/14/01

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 1324582						
Iron	55.3	0.10	mg/L	SW846 6010B	11/20-11/27/01	EN29M1AE
		Dilution Factor: 1		Analysis Time...: 10:01		
Manganese	1.3	0.010	mg/L	SW846 6010B	11/20-11/27/01	EN29M1AF
		Dilution Factor: 1		Analysis Time...: 23:20		

CAMERON-COLE LLC

Client Sample ID: WND-32D

DISSOLVED Metals

Lot-Sample #...: D1K150277-006

Matrix.....: WATER

Date Sampled...: 11/12/01 17:00 Date Received...: 11/14/01

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 1324312						
Calcium	136	0.20	mg/L	SW846 6010B	11/20-11/27/01	EN29M1AH
		Dilution Factor: 1		Analysis Time...: 17:08		
Iron	ND	0.10	mg/L	SW846 6010B	11/20-11/27/01	EN29M1AJ
		Dilution Factor: 1		Analysis Time...: 17:08		
Potassium	ND	3.0	mg/L	SW846 6010B	11/20-11/27/01	EN29M1AM
		Dilution Factor: 1		Analysis Time...: 17:08		
Magnesium	55.8	0.20	mg/L	SW846 6010B	11/20-11/27/01	EN29M1AK
		Dilution Factor: 1		Analysis Time...: 17:08		
Manganese	0.080	0.010	mg/L	SW846 6010B	11/20-11/27/01	EN29M1AL
		Dilution Factor: 1		Analysis Time...: 17:08		
Sodium	52.6	5.0	mg/L	SW846 6010B	11/20-11/27/01	EN29M1AG
		Dilution Factor: 1		Analysis Time...: 17:08		

CAMERON-COLE LLC

Client Sample ID: SK-B68

General Chemistry

Lot-Sample #....: D1K150277-004 Work Order #....: EN282
 Date Sampled....: 11/12/01 10:00 Date Received...: 11/14/01

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	0.27	0.10	mg/L	MCAWW 350.1	11/17/01	1322111
				Dilution Factor: 1	Analysis Time...: 08:00	
Bicarbonate Alkalinity	482	5.0	mg/L	MCAWW 310.1	11/21/01	1330371
				Dilution Factor: 1	Analysis Time...: 09:00	
Carbonate Alkalinity ND		5.0	mg/L	MCAWW 310.1	11/21/01	1330372
				Dilution Factor: 1	Analysis Time...: 09:00	
Chloride	65.6	2.5	mg/L	MCAWW 325.2	11/16/01	1324259
				Dilution Factor: 1	Analysis Time...: 13:00	
Nitrate-Nitrite	0.36	0.10	mg/L	MCAWW 353.2	11/20/01	1325277
				Dilution Factor: 1	Analysis Time...: 15:00	
Sulfate	42.8	5.0	mg/L	MCAWW 375.4	11/27/01	1331468
				Dilution Factor: 1	Analysis Time...: 13:00	
Total Alkalinity	482	5.0	mg/L	MCAWW 310.1	11/21/01	1330370
				Dilution Factor: 1	Analysis Time...: 09:00	
Total Dissolved Solids	658 G	20.0	mg/L	MCAWW 160.1	11/16/01	1320536
				Dilution Factor: 2	Analysis Time...: 17:00	
Total Organic Carbon	2.6	1.0	mg/L	MCAWW 415.1	11/27-11/28/01	1332417
				Dilution Factor: 1	Analysis Time...: 06:00	

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

CAMERON-COLE LLC

Client Sample ID: SK-29S

General Chemistry

Lot-Sample #....: D1K150277-005 Work Order #....: EN29H Matrix.....: WATER
 Date Sampled....: 11/12/01 13:30 Date Received...: 11/14/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	0.25	0.10	mg/L	MCAWW 350.1	11/17/01	1322111
				Dilution Factor: 1 Analysis Time...: 08:00		
Bicarbonate Alkalinity	485	5.0	mg/L	MCAWW 310.1	11/21/01	1330371
				Dilution Factor: 1 Analysis Time...: 09:00		
Carbonate Alkalinity ND		5.0	mg/L	MCAWW 310.1	11/21/01	1330372
				Dilution Factor: 1 Analysis Time...: 09:00		
Chloride	65.5	2.5	mg/L	MCAWW 325.2	11/16/01	1324259
				Dilution Factor: 1 Analysis Time...: 13:00		
Nitrate-Nitrite	0.31	0.10	mg/L	MCAWW 353.2	11/20/01	1325277
				Dilution Factor: 1 Analysis Time...: 15:00		
Sulfate	48.3	5.0	mg/L	MCAWW 375.4	11/27/01	1331468
				Dilution Factor: 1 Analysis Time...: 13:00		
Total Alkalinity	485	5.0	mg/L	MCAWW 310.1	11/21/01	1330370
				Dilution Factor: 1 Analysis Time...: 09:00		
Total Dissolved Solids	674 G	20.0	mg/L	MCAWW 160.1	11/16/01	1320536
				Dilution Factor: 2 Analysis Time...: 17:00		
Total Organic Carbon 2.7		1.0	mg/L	MCAWW 415.1	11/27-11/28/01	1332417
				Dilution Factor: 1 Analysis Time...: 07:00		

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

CAMERON-COLE LLC

Client Sample ID: WND-32D

General Chemistry

Lot-Sample #....: D1K150277-006

Work Order #....: EN29M

Matrix.....: WATER

Date Sampled....: 11/12/01 17:00

Date Received...: 11/14/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	ND	0.10	mg/L	MCAWW 350.1 Dilution Factor: 1 Analysis Time...: 08:00	11/17/01	1322111
Bicarbonate Alkalinity	324	5.0	mg/L	MCAWW 310.1 Dilution Factor: 1 Analysis Time...: 09:00	11/21/01	1330371
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1 Dilution Factor: 1 Analysis Time...: 09:00	11/21/01	1330372
Chloride	80.1	2.5	mg/L	MCAWW 325.2 Dilution Factor: 1 Analysis Time...: 13:00	11/16/01	1324259
Nitrate-Nitrite	3.1	0.10	mg/L	MCAWW 353.2 Dilution Factor: 1 Analysis Time...: 15:00	11/20/01	1325277
Sulfate	231 Q	50.0	mg/L	MCAWW 375.4 Dilution Factor: 10 Analysis Time...: 13:00	11/27/01	1331468
Total Alkalinity	324	5.0	mg/L	MCAWW 310.1 Dilution Factor: 1 Analysis Time...: 09:00	11/21/01	1330370
Total Dissolved Solids	1070 G	20.0	mg/L	MCAWW 160.1 Dilution Factor: 2 Analysis Time...: 17:00	11/16/01	1320536
Total Organic Carbon	2.4	1.0	mg/L	MCAWW 415.1 Dilution Factor: 1 Analysis Time...: 07:00	11/27-11/28/01	1332417

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

QC DATA ASSOCIATION SUMMARY

D1K150277

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	SW846 8260B		1328124	1328030
002	WATER	SW846 8260B		1328124	1328030
003	WATER	SW846 8260B		1328124	1328030
004	WATER	MCAWW 160.1		1320536	1324314
	WATER	MCAWW 310.1		1330372	
	WATER	MCAWW 325.2		1324259	1324102
	WATER	MCAWW 353.2		1325277	1325117
	WATER	MCAWW 415.1		1332417	1332223
	WATER	RSK SOP-175		1332454	1332246
	WATER	SW846 8260B		1328124	1328030
	WATER	SW846 6010B		1324312	1324125
	WATER	SW846 6010B		1324582	1324303
	WATER	MCAWW 375.4		1331468	1331240
	WATER	MCAWW 310.1		1330371	
	WATER	MCAWW 310.1		1330370	1330142
	WATER	MCAWW 350.1		1322111	1322023
005	WATER	MCAWW 160.1		1320536	1324314
	WATER	MCAWW 310.1		1330372	
	WATER	MCAWW 325.2		1324259	1324102
	WATER	MCAWW 353.2		1325277	1325117
	WATER	MCAWW 415.1		1332417	1332223
	WATER	RSK SOP-175		1332454	1332246
	WATER	SW846 8260B		1328124	1328030
	WATER	SW846 6010B		1324312	1324125
	WATER	SW846 6010B		1324582	1324303
	WATER	MCAWW 375.4		1331468	1331240
	WATER	MCAWW 310.1		1330371	
	WATER	MCAWW 310.1		1330370	1330142
	WATER	MCAWW 350.1		1322111	1322023
006	WATER	MCAWW 160.1		1320536	1324314
	WATER	MCAWW 310.1		1330372	
	WATER	MCAWW 325.2		1324259	1324102
	WATER	MCAWW 353.2		1325277	1325117
	WATER	MCAWW 415.1		1332417	1332223
	WATER	RSK SOP-175		1332454	1332246
	WATER	SW846 8260B		1328124	1328030
	WATER	SW846 6010B		1324312	1324125
	WATER	SW846 6010B		1324582	1324303
	WATER	MCAWW 375.4		1331468	1331240

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QC DATA ASSOCIATION SUMMARY

D1K150277

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
006	WATER	MCAWW 310.1		1330371	
	WATER	MCAWW 310.1		1330370	1330142
	WATER	MCAWW 350.1		1322111	1322023
007	WATER	SW846 8260B		1328124	1328030

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K150277 Work Order #....: EPF4D1AC Matrix.....: WATER
 LCS Lot-Sample#: D1K240000-124
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1328124 Analysis Time...: 05:20
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
1,1-Dichloroethene	98	(79 - 119)	SW846 8260B
Benzene	104	(79 - 119)	SW846 8260B
Chlorobenzene	87	(76 - 116)	SW846 8260B
Toluene	102	(75 - 122)	SW846 8260B
Trichloroethene	107	(81 - 121)	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	98	(80 - 120)
1,2-Dichloroethane-d4	93	(72 - 127)
4-Bromofluorobenzene	95	(79 - 119)
Toluene-d8	103	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D1K150277 Work Order #...: EPF4D1AC Matrix.....: WATER
 LCS Lot-Sample#: D1K240000-124
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #...: 1328124 Analysis Time...: 05:20
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
1,1-Dichloroethene	10.0	9.82	ug/L	98	SW846 8260B
Benzene	10.0	10.4	ug/L	104	SW846 8260B
Chlorobenzene	10.0	8.74	ug/L	87	SW846 8260B
Toluene	10.0	10.2	ug/L	102	SW846 8260B
Trichloroethene	10.0	10.7	ug/L	107	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Dibromofluoromethane	98	(80 - 120)
1,2-Dichloroethane-d4	93	(72 - 127)
4-Bromofluorobenzene	95	(79 - 119)
Toluene-d8	103	(79 - 119)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D1K150277
MB Lot-Sample #: D1K240000-124

Work Order #...: EPF4D1AA

Matrix.....: WATER

Analysis Date...: 11/21/01
Dilution Factor: 1

Prep Date.....: 11/21/01

Analysis Time...: 05:41

Prep Batch #...: 1328124

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
Bromomethane	ND	2.0	ug/L		SW846 8260B
Benzene	ND	1.0	ug/L		SW846 8260B
Bromobenzene	ND	1.0	ug/L		SW846 8260B
Bromochloromethane	ND	1.0	ug/L		SW846 8260B
Bromodichloromethane	ND	1.0	ug/L		SW846 8260B
Bromoform	ND	1.0	ug/L		SW846 8260B
n-Butylbenzene	ND	1.0	ug/L		SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L		SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L		SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L		SW846 8260B
Chlorobenzene	ND	1.0	ug/L		SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L		SW846 8260B
Chloroethane	ND	2.0	ug/L		SW846 8260B
Chloroform	ND	1.0	ug/L		SW846 8260B
Chloromethane	ND	2.0	ug/L		SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L		SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L		SW846 8260B
Dibromomethane	ND	1.0	ug/L		SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L		SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L		SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L		SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L		SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L		SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L		SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L		SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L		SW846 8260B
trans-1,2-Dichloroethene	ND	0.50	ug/L		SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L		SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L		SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/L		SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L		SW846 8260B
Ethylbenzene	ND	1.0	ug/L		SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L		SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L		SW846 8260B
Isopropylbenzene	ND	1.0	ug/L		SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L		SW846 8260B
Methylene chloride	ND	1.0	ug/L		SW846 8260B
Naphthalene	ND	1.0	ug/L		SW846 8260B
n-Propylbenzene	ND	1.0	ug/L		SW846 8260B
Styrene	ND	1.0	ug/L		SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L		SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K150277

Work Order #....: EPF4D1AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L		SW846 8260B
Tetrachloroethene	ND	1.0	ug/L		SW846 8260B
Toluene	ND	1.0	ug/L		SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L		SW846 8260B
1,2,4-Trichloro- benzene	ND	1.0	ug/L		SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L		SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L		SW846 8260B
Trichloroethene	ND	1.0	ug/L		SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L		SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L		SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L		SW846 8260B
Vinyl chloride	ND	1.0	ug/L		SW846 8260B
o-Xylene	ND	1.0	ug/L		SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L		SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L		SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L		SW846 8260B
SURROGATE	PERCENT	RECOVERY			
	RECOVERY	LIMITS			
Dibromofluoromethane	100	(80 - 120)			
1,2-Dichloroethane-d4	91	(72 - 127)			
4-Bromofluorobenzene	98	(79 - 119)			
Toluene-d8	105	(79 - 119)			

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K150277 Work Order #....: EN29M1A1-MS Matrix.....: WATER
 MS Lot-Sample #: D1K150277-006 EN29M1A2-MSD
 Date Sampled....: 11/12/01 17:00 Date Received...: 11/14/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1328124 Analysis Time...: 07:22
 Dilution Factor: 2

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	97	(79 - 119)			SW846 8260B
	96	(79 - 119)	1.4	(0-20)	SW846 8260B
Benzene	104	(79 - 119)			SW846 8260B
	100	(79 - 119)	3.8	(0-20)	SW846 8260B
Chlorobenzene	88	(76 - 116)			SW846 8260B
	87	(76 - 116)	1.1	(0-20)	SW846 8260B
Toluene	101	(75 - 122)			SW846 8260B
	102	(75 - 122)	0.83	(0-20)	SW846 8260B
Trichloroethene	18 a	(81 - 121)			SW846 8260B
	0.45 a	(81 - 121)	3.2	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(80 - 120)
	96	(80 - 120)
1,2-Dichloroethane-d4	92	(72 - 127)
	87	(72 - 127)
4-Bromofluorobenzene	96	(79 - 119)
	97	(79 - 119)
Toluene-d8	103	(79 - 119)
	107	(79 - 119)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K150277 Work Order #....: EN29M1A1-MS Matrix.....: WATER
 MS Lot-Sample #: D1K150277-006 EN29M1A2-MSD
 Date Sampled....: 11/12/01 17:00 Date Received...: 11/14/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1328124 Analysis Time...: 07:22
 Dilution Factor: 2

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	20.0	19.7	ug/L	97		SW846 8260B
	ND	20.0	19.4	ug/L	96	1.4	SW846 8260B
Benzene	ND	20.0	20.8	ug/L	104		SW846 8260B
	ND	20.0	20.0	ug/L	100	3.8	SW846 8260B
Chlorobenzene	ND	20.0	17.5	ug/L	88		SW846 8260B
	ND	20.0	17.3	ug/L	87	1.1	SW846 8260B
Toluene	ND	20.0	20.3	ug/L	101		SW846 8260B
	ND	20.0	20.4	ug/L	102	0.83	SW846 8260B
Trichloroethene	110	20.0	112	ug/L	18 a		SW846 8260B
	110	20.0	109	ug/L	0.45 a	3.2	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(80 - 120)
	96	(80 - 120)
1,2-Dichloroethane-d4	92	(72 - 127)
	87	(72 - 127)
4-Bromofluorobenzene	96	(79 - 119)
	97	(79 - 119)
Toluene-d8	103	(79 - 119)
	107	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: D1K150277 Work Order #....: EPL4Q1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I1K280000-454 EPL4Q1AD-LCSD
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1332454 Analysis Time...: 02:57
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Ethane	98	(70 - 130)			RSK SOP-175
	98	(70 - 130)	0.15	(0-30)	RSK SOP-175
Ethene	92	(70 - 130)			RSK SOP-175
	93	(70 - 130)	0.22	(0-30)	RSK SOP-175
Methane	92	(70 - 130)			RSK SOP-175
	92	(70 - 130)	0.14	(0-30)	RSK SOP-175

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: D1K150277 Work Order #....: EPL4Q1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I1K280000-454 EPL4Q1AD-LCSD
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1332454 Analysis Time...: 02:57
 Dilution Factor: 1

PARAMETER	SPIKE	MEASURED		PERCENT		METHOD
	AMOUNT	AMOUNT	UNITS	RECOVERY	RPD	
Ethane	65.1	63.5	ug/L	98		RSK SOP-175
	64.9	63.4	ug/L	98	0.15	RSK SOP-175
Ethene	60.8	56.0	ug/L	92		RSK SOP-175
	60.7	56.2	ug/L	93	0.22	RSK SOP-175
Methane	34.8	32.0	ug/L	92		RSK SOP-175
	34.7	32.0	ug/L	92	0.14	RSK SOP-175

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: D1K150277 Work Order #...: EPL4Q1AA Matrix.....: WATER
 MB Lot-Sample #: I1K280000-454
 Analysis Date...: 11/21/01 Prep Date.....: 11/21/01 Analysis Time...: 02:54
 Dilution Factor: 1 Prep Batch #...: 1332454

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
Ethane	ND	0.50	ug/L		RSK SOP-175
Ethene	ND	0.50	ug/L		RSK SOP-175
Methane	ND	0.50	ug/L		RSK SOP-175

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: D1K150277 Work Order #....: EN29M1A3-MS Matrix.....: WATER
 MS Lot-Sample #: D1K150277-006 EN29M1A4-MSD
 Date Sampled....: 11/12/01 17:00 Date Received...: 11/14/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1332454 Analysis Time...: 05:47
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Ethane	93	(68 - 104)			RSK SOP-175
	92	(68 - 104)	1.1	(0-14)	RSK SOP-175
Ethene	85	(69 - 102)			RSK SOP-175
	86	(69 - 102)	0.53	(0-15)	RSK SOP-175
Methane	94	(23 - 148)			RSK SOP-175
	94	(23 - 148)	0.28	(0-21)	RSK SOP-175

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: D1K150277 Work Order #....: EN29M1A3-MS Matrix.....: WATER
 MS Lot-Sample #: D1K150277-006 EN29M1A4-MSD
 Date Sampled....: 11/12/01 17:00 Date Received...: 11/14/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1332454 Analysis Time...: 05:47
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Ethane	ND	67.8	62.7	ug/L	93		RSK SOP-175
	ND	67.6	62.1	ug/L	92	1.1	RSK SOP-175
Ethene	ND	63.3	53.9	ug/L	85		RSK SOP-175
	ND	63.2	54.2	ug/L	86	0.53	RSK SOP-175
Methane	2.6	36.2	36.7	ug/L	94		RSK SOP-175
	2.6	36.1	36.6	ug/L	94	0.28	RSK SOP-175

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D1K150277

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
LCS Lot-Sample#: D1K200000-582 Prep Batch #...: 1324582					
Iron	103	(92 - 114)	SW846 6010B	11/20-11/27/01	EPC4X1AD
		Dilution Factor: 1			
		Analysis Time...: 09:49			
Manganese	95	(89 - 114)	SW846 6010B	11/20-11/27/01	EPC4X1AE
		Dilution Factor: 1			
		Analysis Time...: 23:04			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: D1K150277

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D1K200000-582 Prep Batch #....: 1324582							
Iron	1.00	1.03	mg/L	103	SW846 6010B	11/20-11/27/01	EPC4X1AD
				Dilution Factor: 1			
				Analysis Time...: 09:49			
Manganese	0.500	0.475	mg/L	95	SW846 6010B	11/20-11/27/01	EPC4X1AE
				Dilution Factor: 1			
				Analysis Time...: 23:04			

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D1K150277

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D1K200000-582 Prep Batch #...: 1324582						
Iron	ND	0.10	mg/L	SW846 6010B	11/20-11/27/01	EPC4X1AA
		Dilution Factor: 1				
		Analysis Time...: 09:45				
Manganese	ND	0.010	mg/L	SW846 6010B	11/20-11/27/01	EPC4X1AC
		Dilution Factor: 1				
		Analysis Time...: 22:59				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D1K150277

Matrix.....: WATER

Date Sampled...: 11/12/01 17:00 Date Received...: 11/14/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D1K150277-006 Prep Batch #...: 1324582						
Iron	NC,MSB	(92 - 114)		SW846 6010B	11/20-11/27/01	EN29M1A5
	NC,MSB	(92 - 114)	(0-20)	SW846 6010B	11/20-11/27/01	EN29M1A6
		Dilution Factor: 1				
		Analysis Time...: 10:08				
Manganese	94	(89 - 114)		SW846 6010B	11/20-11/27/01	EN29M1A7
	92	(89 - 114)	0.78 (0-20)	SW846 6010B	11/20-11/27/01	EN29M1A8
		Dilution Factor: 1				
		Analysis Time...: 23:30				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D1K150277

Matrix.....: WATER

Date Sampled...: 11/12/01 17:00 Date Received...: 11/14/01

PARAMETER	AMOUNT	AMT	AMOUNT	UNITS	PERCENT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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MS Lot-Sample #: D1K150277-006 Prep Batch #...: 1324582

Iron

55.3	1.00	63.7	mg/L				SW846 6010B	11/20-11/27/01	EN29M1A5
Qualifiers: NC,MSB									
55.3	1.00	63.4	mg/L				SW846 6010B	11/20-11/27/01	EN29M1A6
Qualifiers: NC,MSB									
Dilution Factor: 1									
Analysis Time...: 10:08									

Manganese

1.3	0.500	1.75	mg/L	94			SW846 6010B	11/20-11/27/01	EN29M1A7
1.3	0.500	1.73	mg/L	92	0.78		SW846 6010B	11/20-11/27/01	EN29M1A8
Dilution Factor: 1									
Analysis Time...: 23:30									

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #....: D1K150277

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
LCS Lot-Sample#: D1K200000-312 Prep Batch #....: 1324312					
Sodium	103	(91 - 111)	SW846 6010B	11/20-11/27/01	EPALF1AH
		Dilution Factor: 1			
		Analysis Time...: 16:57			
Calcium	103	(88 - 108)	SW846 6010B	11/20-11/27/01	EPALF1AJ
		Dilution Factor: 1			
		Analysis Time...: 16:57			
Iron	101	(92 - 114)	SW846 6010B	11/20-11/27/01	EPALF1AK
		Dilution Factor: 1			
		Analysis Time...: 16:57			
Magnesium	103	(93 - 113)	SW846 6010B	11/20-11/27/01	EPALF1AL
		Dilution Factor: 1			
		Analysis Time...: 16:57			
Manganese	100	(89 - 114)	SW846 6010B	11/20-11/27/01	EPALF1AM
		Dilution Factor: 1			
		Analysis Time...: 16:57			
Potassium	93	(87 - 110)	SW846 6010B	11/20-11/27/01	EPALF1AN
		Dilution Factor: 1			
		Analysis Time...: 16:57			

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D1K150277

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D1K200000-312 Prep Batch #...: 1324312							
Sodium	50.0	51.3	mg/L	103	SW846 6010B	11/20-11/27/01	EPALF1AH
				Dilution Factor: 1			
				Analysis Time...: 16:57			
Calcium	50.0	51.4	mg/L	103	SW846 6010B	11/20-11/27/01	EPALF1AJ
				Dilution Factor: 1			
				Analysis Time...: 16:57			
Iron	1.00	1.01	mg/L	101	SW846 6010B	11/20-11/27/01	EPALF1AK
				Dilution Factor: 1			
				Analysis Time...: 16:57			
Magnesium	50.0	51.3	mg/L	103	SW846 6010B	11/20-11/27/01	EPALF1AL
				Dilution Factor: 1			
				Analysis Time...: 16:57			
Manganese	0.500	0.499	mg/L	100	SW846 6010B	11/20-11/27/01	EPALF1AM
				Dilution Factor: 1			
				Analysis Time...: 16:57			
Potassium	50.0	46.6	mg/L	93	SW846 6010B	11/20-11/27/01	EPALF1AN
				Dilution Factor: 1			
				Analysis Time...: 16:57			

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: D1K150277

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D1K200000-312 Prep Batch #...: 1324312						
Calcium	ND	0.20	mg/L	SW846 6010B	11/20-11/27/01	EPALF1AC
		Dilution Factor: 1				
		Analysis Time...: 16:53				
Iron	ND	0.10	mg/L	SW846 6010B	11/20-11/27/01	EPALF1AD
		Dilution Factor: 1				
		Analysis Time...: 16:53				
Magnesium	ND	0.20	mg/L	SW846 6010B	11/20-11/27/01	EPALF1AE
		Dilution Factor: 1				
		Analysis Time...: 16:53				
Manganese	ND	0.010	mg/L	SW846 6010B	11/20-11/27/01	EPALF1AF
		Dilution Factor: 1				
		Analysis Time...: 16:53				
Potassium	ND	3.0	mg/L	SW846 6010B	11/20-11/27/01	EPALF1AG
		Dilution Factor: 1				
		Analysis Time...: 16:53				
Sodium	ND	5.0	mg/L	SW846 6010B	11/20-11/27/01	EPALF1AA
		Dilution Factor: 1				
		Analysis Time...: 16:53				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #....: D1K150277

Matrix.....: WATER

Date Sampled....: 11/12/01 17:00 Date Received...: 11/14/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D1K150277-006 Prep Batch #....: 1324312						
Calcium	97	(88 - 108)		SW846 6010B	11/20-11/27/01	EN29M1CC
	109 N	(88 - 108)	3.0 (0-20)	SW846 6010B	11/20-11/27/01	EN29M1CD
				Dilution Factor: 1		
				Analysis Time...: 17:16		
Iron	99	(92 - 114)		SW846 6010B	11/20-11/27/01	EN29M1CE
	104	(92 - 114)	4.4 (0-20)	SW846 6010B	11/20-11/27/01	EN29M1CF
				Dilution Factor: 1		
				Analysis Time...: 17:16		
Magnesium	103	(93 - 113)		SW846 6010B	11/20-11/27/01	EN29M1CG
	111	(93 - 113)	3.6 (0-20)	SW846 6010B	11/20-11/27/01	EN29M1CH
				Dilution Factor: 1		
				Analysis Time...: 17:16		
Manganese	98	(89 - 114)		SW846 6010B	11/20-11/27/01	EN29M1CJ
	102	(89 - 114)	3.2 (0-20)	SW846 6010B	11/20-11/27/01	EN29M1CK
				Dilution Factor: 1		
				Analysis Time...: 17:16		
Potassium	94	(87 - 110)		SW846 6010B	11/20-11/27/01	EN29M1CL
	98	(87 - 110)	4.1 (0-20)	SW846 6010B	11/20-11/27/01	EN29M1CM
				Dilution Factor: 1		
				Analysis Time...: 17:16		
Sodium	102	(91 - 111)		SW846 6010B	11/20-11/27/01	EN29M1A9
	108	(91 - 111)	3.2 (0-20)	SW846 6010B	11/20-11/27/01	EN29M1CA
				Dilution Factor: 1		
				Analysis Time...: 17:16		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #....: D1K150277

Date Sampled....: 11/12/01 17:00 Date Received...: 11/14/01

Matrix.....: WATER

PARAMETER	AMOUNT	AMT	AMOUNT	UNITS	PERCENT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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MS Lot-Sample #: D1K150277-006 Prep Batch #....: 1324312

Calcium

136	50.0	185	mg/L	97			SW846 6010B	11/20-11/27/01	EN29M1CC
136	50.0	191 N	mg/L	109	3.0		SW846 6010B	11/20-11/27/01	EN29M1CD
Dilution Factor: 1									
Analysis Time...: 17:16									

Iron

ND	1.00	0.991	mg/L	99			SW846 6010B	11/20-11/27/01	EN29M1CE
ND	1.00	1.04	mg/L	104	4.4		SW846 6010B	11/20-11/27/01	EN29M1CF
Dilution Factor: 1									
Analysis Time...: 17:16									

Magnesium

55.8	50.0	107	mg/L	103			SW846 6010B	11/20-11/27/01	EN29M1CG
55.8	50.0	111	mg/L	111	3.6		SW846 6010B	11/20-11/27/01	EN29M1CH
Dilution Factor: 1									
Analysis Time...: 17:16									

Manganese

0.080	0.500	0.569	mg/L	98			SW846 6010B	11/20-11/27/01	EN29M1CJ
0.080	0.500	0.588	mg/L	102	3.2		SW846 6010B	11/20-11/27/01	EN29M1CK
Dilution Factor: 1									
Analysis Time...: 17:16									

Potassium

ND	50.0	49.4	mg/L	94			SW846 6010B	11/20-11/27/01	EN29M1CL
ND	50.0	51.4	mg/L	98	4.1		SW846 6010B	11/20-11/27/01	EN29M1CM
Dilution Factor: 1									
Analysis Time...: 17:16									

Sodium

52.6	50.0	103	mg/L	102			SW846 6010B	11/20-11/27/01	EN29M1A9
52.6	50.0	107	mg/L	108	3.2		SW846 6010B	11/20-11/27/01	EN29M1CA
Dilution Factor: 1									
Analysis Time...: 17:16									

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #....: D1K150277

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N		WO#:EN75E1AC-LCS/EN75E1AD-LCSD LCS Lot-Sample#: D1K180000-111				
	105	(90 - 110)		MCAWW 350.1	11/17/01	1322111
	106	(90 - 110)	0.75 (0-10)	MCAWW 350.1	11/17/01	1322111
		Dilution Factor: 1				
Nitrate-Nitrite		WO#:EPD471AC-LCS/EPD471AD-LCSD LCS Lot-Sample#: D1K210000-277				
	105	(90 - 110)		MCAWW 353.2	11/20/01	1325277
	106	(90 - 110)	0.11 (0-10)	MCAWW 353.2	11/20/01	1325277
		Dilution Factor: 1				
Total Alkalinity		WO#:EPGPX1AC-LCS/EPGPX1AD-LCSD LCS Lot-Sample#: D1K260000-370				
	98	(95 - 110)		MCAWW 310.1	11/21/01	1330370
	101	(95 - 110)	2.2 (0-10)	MCAWW 310.1	11/21/01	1330370
		Dilution Factor: 1				
Total Dissolved Solids		WO#:EPC5P1AC-LCS/EPC5P1AD-LCSD LCS Lot-Sample#: D1K160000-536				
	95	(86 - 106)		MCAWW 160.1	11/16/01	1320536
	100	(86 - 106)	4.9 (0-20)	MCAWW 160.1	11/16/01	1320536
		Dilution Factor: 1				
Total Organic Carbon		WO#:EPLWG1AC-LCS/EPLWG1AD-LCSD LCS Lot-Sample#: D1K280000-417				
	104	(90 - 110)		MCAWW 415.1	11/27-11/28/01	1332417
	103	(90 - 110)	1.4 (0-10)	MCAWW 415.1	11/27-11/28/01	1332417
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D1K150277

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N								
						WO#:EN75E1AC-LCS/EN75E1AD-LCSD LCS Lot-Sample#: D1K180000-111		
	4.00	4.20	mg/L	105		MCAWW 350.1	11/17/01	1322111
	4.00	4.23	mg/L	106	0.75	MCAWW 350.1	11/17/01	1322111
						Dilution Factor: 1		
Nitrate-Nitrite								
						WO#:EPD471AC-LCS/EPD471AD-LCSD LCS Lot-Sample#: D1K210000-277		
	4.00	4.22	mg/L	105		MCAWW 353.2	11/20/01	1325277
	4.00	4.22	mg/L	106	0.11	MCAWW 353.2	11/20/01	1325277
						Dilution Factor: 1		
Total Alkalinity								
						WO#:EPGPX1AC-LCS/EPGPX1AD-LCSD LCS Lot-Sample#: D1K260000-370		
	185	182	mg/L	98		MCAWW 310.1	11/21/01	1330370
	185	186	mg/L	101	2.2	MCAWW 310.1	11/21/01	1330370
						Dilution Factor: 1		
Total Dissolved Solids								
						WO#:EPC5P1AC-LCS/EPC5P1AD-LCSD LCS Lot-Sample#: D1K160000-536		
	500	476	mg/L	95		MCAWW 160.1	11/16/01	1320536
	500	500	mg/L	100	4.9	MCAWW 160.1	11/16/01	1320536
						Dilution Factor: 1		
Total Organic Carbon								
						WO#:EPLWG1AC-LCS/EPLWG1AD-LCSD LCS Lot-Sample#: D1K280000-417		
	25.0	26.1	mg/L	104		MCAWW 415.1	11/27-11/28/01	1332417
	25.0	25.7	mg/L	103	1.4	MCAWW 415.1	11/27-11/28/01	1332417
						Dilution Factor: 1		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D1K150277

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	100	Work Order #: EPADX1AC (92 - 109)	LCS Lot-Sample#: D1K200000-259 MCAWW 325.2	11/16/01	1324259
		Dilution Factor: 1			
		Analysis Time...: 13:00			
Sulfate	94	Work Order #: EPJ5N1AC (88 - 110)	LCS Lot-Sample#: D1K270000-468 MCAWW 375.4	11/27/01	1331468
		Dilution Factor: 1			
		Analysis Time...: 13:00			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D1K150277

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	50.0	50.0	mg/L	100	MCAWW 325.2	11/16/01	1324259
Work Order #: EPADX1AC LCS Lot-Sample#: D1K200000-259							
Dilution Factor: 1							
Analysis Time...: 13:00							
Sulfate	25.0	23.5	mg/L	94	MCAWW 375.4	11/27/01	1331468
Work Order #: EPJ5N1AC LCS Lot-Sample#: D1K270000-468							
Dilution Factor: 1							
Analysis Time...: 13:00							

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #....: D1K150277

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	ND	Work Order #: EN75E1AA 0.10	mg/L	MB Lot-Sample #: D1K180000-111 MCAWW 350.1	11/17/01	1322111
		Dilution Factor: 1 Analysis Time...: 08:00				
Chloride	ND	Work Order #: EPADX1AA 2.5	mg/L	MB Lot-Sample #: D1K200000-259 MCAWW 325.2	11/16/01	1324259
		Dilution Factor: 1 Analysis Time...: 13:00				
Nitrate-Nitrite	ND	Work Order #: EPD471AA 0.10	mg/L	MB Lot-Sample #: D1K210000-277 MCAWW 353.2	11/20/01	1325277
		Dilution Factor: 1 Analysis Time...: 15:00				
Sulfate	ND	Work Order #: EPJ5N1AA 5.0	mg/L	MB Lot-Sample #: D1K270000-468 MCAWW 375.4	11/27/01	1331468
		Dilution Factor: 1 Analysis Time...: 13:00				
Total Alkalinity	ND	Work Order #: EPGPX1AA 5.0	mg/L	MB Lot-Sample #: D1K260000-370 MCAWW 310.1	11/21/01	1330370
		Dilution Factor: 1 Analysis Time...: 09:00				
Total Dissolved Solids	ND	Work Order #: EPC5P1AA 10.0	mg/L	MB Lot-Sample #: D1K160000-536 MCAWW 160.1	11/16/01	1320536
		Dilution Factor: 1 Analysis Time...: 17:00				
Total Organic Carbon	ND	Work Order #: EPLWG1AA 1.0	mg/L	MB Lot-Sample #: D1K280000-417 MCAWW 415.1	11/27-11/28/01	1332417
		Dilution Factor: 1 Analysis Time...: 05:00				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D1K150277

Date Sampled...: 11/12/01 17:00 Date Received...: 11/14/01

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RPD	PREPARATION-	PREP
	RECOVERY LIMITS	RPD LIMITS	ANALYSIS DATE	BATCH #
Ammonia as N		WO#: EN29M1CV-MS/EN29M1CW-MSD	MS Lot-Sample #: D1K150277-006	
85 N	(90 - 110)	MCAWW 350.1	11/17/01	1322111
84 N	(90 - 110)	1.9 (0-10) MCAWW 350.1	11/17/01	1322111
		Dilution Factor: 1		
		Analysis Time...: 08:00		
Chloride		WO#: EN29M1CN-MS/EN29M1CP-MSD	MS Lot-Sample #: D1K150277-006	
103	(92 - 109)	MCAWW 325.2	11/16/01	1324259
100	(92 - 109)	1.1 (0-10) MCAWW 325.2	11/16/01	1324259
		Dilution Factor: 1		
		Analysis Time...: 13:00		
Nitrate-Nitrite		WO#: EN29M1CX-MS/EN29M1C0-MSD	MS Lot-Sample #: D1K150277-006	
88 N	(90 - 110)	MCAWW 353.2	11/20/01	1325277
87 N	(90 - 110)	0.69 (0-10) MCAWW 353.2	11/20/01	1325277
		Dilution Factor: 1		
		Analysis Time...: 15:00		
Sulfate		WO#: EN29M1CQ-MS/EN29M1CR-MSD	MS Lot-Sample #: D1K150277-006	
98	(88 - 110)	MCAWW 375.4	11/27/01	1331468
99	(88 - 110)	0.54 (0-11) MCAWW 375.4	11/27/01	1331468
		Dilution Factor: 1		
		Analysis Time...: 13:00		
Total Organic Carbon		WO#: EN29M1CT-MS/EN29M1CU-MSD	MS Lot-Sample #: D1K150277-006	
105	(90 - 110)	MCAWW 415.1	11/27-11/28/01	1332417
105	(90 - 110)	0.03 (0-10) MCAWW 415.1	11/27-11/28/01	1332417
		Dilution Factor: 1		
		Analysis Time...: 07:00		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #....: D1K150277

Matrix.....: WATER

Date Sampled....: 11/12/01 17:00 Date Received...: 11/14/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	N		WO#: EN29M1CV-MS/EN29M1CW-MSD				MS Lot-Sample #: D1K150277-006		
ND	5.00	4.34	N	mg/L	85		MCAWW 350.1	11/17/01	1322111
ND	5.00	4.26	N	mg/L	84	1.9	MCAWW 350.1	11/17/01	1322111
			Dilution Factor: 1						
			Analysis Time...: 08:00						
Chloride			WO#: EN29M1CN-MS/EN29M1CP-MSD				MS Lot-Sample #: D1K150277-006		
80.1	50.0	132		mg/L	103		MCAWW 325.2	11/16/01	1324259
80.1	50.0	130		mg/L	100	1.1	MCAWW 325.2	11/16/01	1324259
			Dilution Factor: 1						
			Analysis Time...: 13:00						
Nitrate-Nitrite			WO#: EN29M1CX-MS/EN29M1C0-MSD				MS Lot-Sample #: D1K150277-006		
3.1	5.00	7.55	N	mg/L	88		MCAWW 353.2	11/20/01	1325277
3.1	5.00	7.50	N	mg/L	87	0.69	MCAWW 353.2	11/20/01	1325277
			Dilution Factor: 1						
			Analysis Time...: 15:00						
Sulfate			WO#: EN29M1CQ-MS/EN29M1CR-MSD				MS Lot-Sample #: D1K150277-006		
231	250	476		mg/L	98		MCAWW 375.4	11/27/01	1331468
231	250	478		mg/L	99	0.54	MCAWW 375.4	11/27/01	1331468
			Dilution Factor: 1						
			Analysis Time...: 13:00						
Total Organic Carbon			WO#: EN29M1CT-MS/EN29M1CU-MSD				MS Lot-Sample #: D1K150277-006		
2.4	25.0	28.6		mg/L	105		MCAWW 415.1	11/27-11/28/01	1332417
2.4	25.0	28.6		mg/L	105	0.03	MCAWW 415.1	11/27-11/28/01	1332417
			Dilution Factor: 1						
			Analysis Time...: 07:00						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: D1K150277

Work Order #....: EN239-SMP
EN239-DUP

Matrix.....: WATER

Date Sampled....: 11/15/01 07:30

Date Received...: 11/15/01

% Moisture.....: 100

Dilution Factor:

Initial Wgt/Vol:

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Alkalinity	44.3	44.5	mg/L	0.54	(0-10)	SD Lot-Sample #: D1K150266-001 MCAWW 310.1	11/21/01	1330370
				Dilution Factor: 1		Analysis Time...: 09:00		

Matrix.....: WATER

Date Received..: 11/14/01

Initial Wgt/Vol:

NAME	DATE	TIME	METHOD	ANALYSIS DATE	BATCH #
Total Dissolved			SD Lot-Sample #: D1K150277-006		

1070 G	1020 G	mg/L	4.8	(0-20)	MCAWW 160.1	11/16/01	1320536
--------	--------	------	-----	--------	-------------	----------	---------

Analysis Time..: 17:00

Calculations are performed before rounding to avoid round-off errors in calculated results.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

HOLD TIME REPORT

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GCMS VOA

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K150277001	B-69-18	11/12/01	11:25							
			8260B		9		14		11/21/01	08:05 VOA
D1K150277002	TB-07	11/12/01	00:00							
			8260B		9		14		11/21/01	08:26 VOA
D1K150277003	FB-111201	11/12/01	17:00							
			8260B		9		14		11/21/01	08:48 VOA
D1K150277004	SK-B68	11/12/01	10:00							
			8260B		9		14		11/21/01	06:25 VOA
D1K150277005	SK-29S	11/12/01	13:30							
			8260B		9		14		11/21/01	06:04 VOA
D1K150277006	WND-32D	11/12/01	17:00							
			8260B		9		14		11/21/01	07:01 VOA
D1K150277007	RB-111201	11/12/01	16:30							
			8260B		9		14		11/21/01	09:10 VOA

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GC VOA

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K150277004	SK-B68	11/12/01	10:00							
			SOP-175		9		14		11/21/01	04:51
			SOP-175		9		14		11/21/01	04:57
D1K150277005	SK-29S	11/12/01	13:30							
			SOP-175		9		14		11/21/01	05:03
			SOP-175		9		14		11/21/01	05:10
D1K150277006	WND-32D	11/12/01	17:00							
			SOP-175		9		14		11/21/01	05:16

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: METALS

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K150277004	SK-B68	11/12/01	10:00							
			6010B		15		180		11/27/01 17:01	ICP
			6010B		15		180		11/27/01 09:53	ICP
			6010B		15		180		11/27/01 23:09	ICP
D1K150277005	SK-29S	11/12/01	13:30							
			6010B		15		180		11/27/01 17:05	ICP
			6010B		15		180		11/27/01 09:57	ICP
			6010B		15		180		11/27/01 23:14	ICP
D1K150277006	WND-32D	11/12/01	17:00							
			6010B		15		180		11/27/01 17:08	ICP
			6010B		15		180		11/27/01 10:01	ICP
			6010B		15		180		11/27/01 23:20	ICP

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GENERAL CHEMISTRY

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K150277004	SK-B68	11/12/01	10:00							
			310.1		9		14		11/21/01 09:00	Alkalinity
			310.1		9		14		11/21/01 09:00	Alkalinity
			310.1		9		14		11/21/01 09:00	Alkalinity
			415.1		16		28		11/28/01 06:00	
			325.2		4		28		11/16/01 13:00	
			353.2		8		28		11/20/01 15:00	Nitrate-Nitrite
			160.1		4		7		11/16/01 17:00	TDS
			375.4		15		28		11/27/01 13:00	
D1K150277005	SK-29S	11/12/01	13:30							
			310.1		9		14		11/21/01 09:00	Alkalinity
			310.1		9		14		11/21/01 09:00	Alkalinity
			310.1		9		14		11/21/01 09:00	Alkalinity
			415.1		16		28		11/28/01 07:00	
			325.2		4		28		11/16/01 13:00	
			353.2		8		28		11/20/01 15:00	Nitrate-Nitrite
			160.1		4		7		11/16/01 17:00	TDS
			375.4		15		28		11/27/01 13:00	
150277006	WND-32D	11/12/01	17:00							
			310.1		9		14		11/21/01 09:00	Alkalinity
			310.1		9		14		11/21/01 09:00	Alkalinity
			310.1		9		14		11/21/01 09:00	Alkalinity
			415.1		16		28		11/28/01 07:00	
			325.2		4		28		11/16/01 13:00	
			353.2		8		28		11/20/01 15:00	Nitrate-Nitrite
			160.1		4		7		11/16/01 17:00	TDS
			375.4		15		28		11/27/01 13:00	

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

5.35 - 5.80C
7M

SEVERN
TRENT
SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0700)

DEN (0900)

Client <u>Safety-Kleen (Wichita) Facility,</u>		Project Manager <u>Kay Trauscher (Cameron-Cole)</u>		Date <u>11/13/01</u>	Chain of Custody Number <u>041151</u>
Address <u>2549 North New York Avenue</u>		Telephone Number (Area Code)/Fax Number <u>303-938-5535 / 303-938-5520</u>		Lab Number	Page <u>3</u> of <u>3</u>
City <u>Wichita</u>	State <u>KS</u>	Zip Code <u>67219</u>	Site Contact <u>Russell Dunn</u>	Lab Contact <u>Kae Yoder</u>	

Project Name and Location (State) <u>SK Facility Wichita KS</u>		Carrier/Waybill Number		Analysis (Attach list if more space is needed)	
Contract/Purchase Order/Quote No. <u>1205-2</u>					

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives										Special Instructions/ Conditions of Receipt
			Air	Aqueous	Sed.	Soil	Uncres	H2SO4	HNO3	HCl	NaOH	ZnAc	NaOH	Vec (82606)	TOPNAC/CL/SDY	Dis. Matrix	Twine Matrix	
B-69-18	11/12/01	1125	X							3				X				
TB-07	11/12/01	—	X							2				X				
FB-111201	11/12/01	1700	X							3				X				
SK-B68	11/12/01	1000	X				1	1	2	6				X	X	X	X	X
SK-295	11/12/01	1330	X				1	1	2	6				X	X	X	X	X
*WN10-320	11/12/01	1700	X				2	2	4	12				X	X	X	X	X
RB-111201	11/12/01	1630	X							3				X				

Possible Hazard Identification	Sample Disposal
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months

Turn Around Time Required	QC Requirements (Specify)
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input checked="" type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other _____	

1. Relinquished By <u>Phil N. Carver</u>	Date <u>11/13/01</u>	Time <u>1800</u>	1. Received By <u>TO UPS</u>	Date	Time
2. Relinquished By	Date	Time	2. Received By <u>Joe Mandy</u>	Date <u>11/14/01</u>	Time <u>1015</u>
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments
*MS/MSD Please call Kay Trauscher with any questions

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

**SEVERN
TRENT
SERVICES**

STL Denver
4955 Yarrow Street
Arvada, CO 80002-4517

Tel: 303 736 0100
Fax: 303 431 7171
www.stl-inc.com

ANALYTICAL REPORT

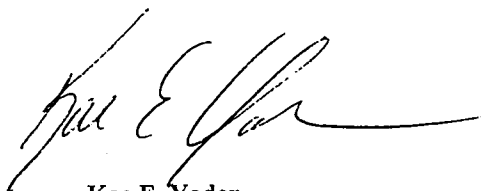
SAFETY KLEEN (WICHITA, KS)

Lot #: D1K130267

Kay Tauscher

**Cameron-Cole LLC
5777 Central Avenue, Suite 100
Boulder, CO 80301**

SEVERN TRENT LABORATORIES, INC.



**Kae E. Yoder
Project Manager**

December 5, 2001

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Invoice

STL Denver
4955 Yarrow Street
Arvada, CO 80002
(303) 421-6611
(303) 431-7171

SEVERN
TRENT
SERVICES

Tel:
Fax:

REMIT
TO:

Severn Trent Laboratories, Inc.
P.O. Box 7777 W4305
Philadelphia, PA 19175-4305

Number

28032978

Date

05 DEC 01

STL Project Number

D1K130267

Customer Number

00408171

Terms

NET 30 DAYS

Customer Contact

SAMPLE RECEIVING DATE : 11/13/01

REPORT DATE : 12/05/01

Kay Tauscher

Bill To:

John Arbuthnot
Safety Kleen Inc
13351 Scenic Highway
Baton Rouge, LA 70807

Cameron-Cole LLC
5777 Central Avenue
Suite 100
Boulder, CO 80301

Line No.	Qty.	Matrix Code	Analysis Description	Unit Price	Extended Price
16			WATER, Total Fe/Mn, 6010B	16.00	256.00
16			WATER, Dissolved Ca/Fe/K/Mg/Mn/Na, 6010B	48.00	768.00
16			WATER, Total Dissolved Solids, 160.1	8.00	128.00
16			WATER, Carbonate Alkalinity, 310.1	8.00	128.00
16			WATER, Chloride, 325.2	8.00	128.00
16			WATER, Nitrate-Nitrite, 353.2	8.00	128.00
16			WATER, Total Organic Carbon, 415.1	23.00	368.00
16			WATER, Sulfate, 375.4	10.00	160.00
16			WATER, Bicarbonate Alkalinity, 310.1	8.00	128.00
16			WATER, Total Alkalinity, 310.1	8.00	128.00
16			WATER, Ammonia Nitrogen, 350.1	8.00	128.00
16			WATER, Total Metals Digestion	3.00	48.00
16			WATER, Dissolved Metals Digestion	3.00	48.00
16			WATER, Dissolved Gases, RSK175	143.00	2,288.00
18			WATER, Volatile Organics, 8260B	97.00	1,746.00

NOTE: Applicable samples will be stored at no extra charge for a period of 30 days following the final report. Samples will be properly disposed of after 30 days, unless notified otherwise in writing.

Please reference Invoice number when remitting.

Customer P.O. Number / Contract Number / Reference

STL Project Manager
Kae Yoder

Salesperson

Sub Total
Tax
Total

6,578.00

DUPLICATE COPY

Severn Trent Laboratories, Inc

Table Of Contents

Standard Deliverables

Report Contents

Total Number of Pages

Standard Deliverables

The Cover Letter and the Report Cover page are considered integral parts of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.

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- Table of Contents
- Case Narrative
- Executive Summary – Detection Highlights
- Methods Summary
- Method/Analyst Summary
- Lot Sample Summary
- Analytical Results
- QC Data Association Summary
- Chain-of-Custody

CASE NARRATIVE

Client Name: Safety-Kleen (Wichita)
 Project Name:
 Project Number:
 Sample Delivery Group: D1K130267
 Narrative Date: 12/05/01

Sample Receipt

- Sixteen water samples and two trip blanks, submitted by Safety-Kleen (Wichita), Inc., were received by STL Denver on November 13, 2001, according to documented sample acceptance procedures. The samples were received intact at temperatures of 4.9°C, 4.8°C, 3.8°C, 3.4°C, 3.4°C and 3.6°. Analyses requested on the associated chains-of-custody are as follows: GC/MS Volatiles, Dissolved Gases, Total and Dissolved Metals, and various General Chemistry parameters.
- As instructed by the client, the samples presented in this report were analyzed for Sulfate, Ammonia Nitrogen and Nitrate-Nitrite, in addition to the analyses requested on the chains-of-custody. The chains-of-custody have been revised to reflect this change.
- Sampling dates and times were taken directly from the sample container labels, as the chain-of-custody did not list this information. No other anomalies were encountered during sample receipt.
- The Dissolved Gases analyses presented in this report were performed at the STL Austin facility.

GC/MS Volatiles

- Sample analysis did not reveal any detected target analytes at or above Safety-Kleen (Wichita)'s RLs, with the exception of the items noted in the following table.

Sample ID	Parameter	Detection	RL	Units
SK-1S	cis-1,2-Dichloroethene	3.3	1.0	ug/L
	Tetrachloroethene	24	1.0	ug/L
	Trichloroethene	2.1	1.0	ug/L
SK-2S	1,1-Dichloroethane	17	8.0	ug/L
	cis-1,2-Dichloroethene	260	8.0	ug/L
	Tetrachloroethene	180	8.0	ug/L
	1,1,1-Trichloroethane	38	8.0	ug/L
	Trichloroethene	100	8.0	ug/L
SK-2D	cis-1,2,-Dichloroethene	39	4.0	ug/L
	Trichloroethene	210	4.0	ug/L
SK-3S	cis-1,2-Dichloroethene	6.7	2.0	ug/L
	Ethylbenzene	33	2.0	ug/L
	Isopropylbenzene	2.1	2.0	ug/L
	Naphthalene	3.8	2.0	ug/L
	n-Propylbenzene	6.7	2.0	ug/L
	Tetrachloroethene	8.0	2.0	ug/L
	Toluene	87	2.0	ug/L
	Trichloroethene	35	2.0	ug/L
	1,2,4-Trimethylbenzene	55	2.0	ug/L
	1,3,5-Trimethylbenzene	13	2.0	ug/L
	o-Xylene	44	2.0	ug/L
SK-3D	m-Xylene & p-Xylene	120	4.0	ug/L
	cis-1,2-Dichloroethene	11	2.0	ug/L
	Trichloroethene	69	2.0	ug/L
SK-4S	1,1-Dichloroethane	7.8	2.0	ug/L
	1,1-Dichloroethene	3.6	2.0	ug/L
	cis-1,2-Dichloroethene	45	2.0	ug/L

Sample ID	Parameter	Detection	RL	Units
SK-4S	Tetrachloroethene	76	2.0	ug/L
	1,1,1-Trichloroethane	11	2.0	ug/L
	Trichloroethene	12	2.0	ug/L
SK-4D	cis-1,2-Dichloroethene	11	2.0	ug/L
	Tetrachloroethene	3.5	2.0	ug/L
	Trichloroethene	63	2.0	ug/L
SK-5S	1,1-Dichloroethane	10	4.0	ug/L
	cis-1,2-Dichloroethene	120	4.0	ug/L
	Tetrachloroethene	230	4.0	ug/L
	1,1,1-Trichloroethane	24	4.0	ug/L
	Trichloroethene	90	4.0	ug/L
SK-5D	cis-1,2-Dichloroethene	20	4.0	ug/L
	Trichloroethene	120	4.0	ug/L
SK-6S	1,1-Dichloroethane	2.8	1.0	ug/L
	Tetrachloroethene	2.0	1.0	ug/L
SK-10S	1,1-Dichloroethane	11	4.0	ug/L
	cis-1,2-Dichloroethene	110	4.0	ug/L
	Tetrachloroethene	56	4.0	ug/L
	Trichloroethene	9.7	4.0	ug/L
	Vinyl chloride	51	4.0	ug/L
SK-26S	1,1-Dichloroethane	14	4.0	ug/L
	cis-1,2-Dichloroethene	140	4.0	ug/L
	Tetrachloroethene	67	4.0	ug/L
	Trichloroethene	12	4.0	ug/L
	Vinyl chloride	59	4.0	ug/L
SK-27S	cis-1,2-Dichloroethene	7.1	5.0	ug/L
	Ethylbenzene	32	5.0	ug/L
	n-Propylbenzene	6.2	5.0	ug/L
	Tetrachloroethene	9.2	5.0	ug/L
	Toluene	93	5.0	ug/L
	Trichloroethene	35	5.0	ug/L
	1,2,4-Trimethylbenzene	57	5.0	ug/L
	1,3,5-Trimethylbenzene	14	5.0	ug/L
	o-Xylene	44	5.0	ug/L
	m-Xylene & p-Xylene	120	10	ug/L
SK-28S	n-Butylbenzene	5.4	1.0	ug/L
	sec-Butylbenzene	2.4	1.0	ug/L
	cis-1,2-Dichloroethene	1.5	1.0	ug/L
	Isopropylbenzene	1.9	1.0	ug/L
	Naphthalene	5.9	1.0	ug/L
	n-Propylbenzene	2.7	1.0	ug/L

- The samples were analyzed within holding time and without incident, with the exception of the following items noted.
- Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. In some cases, due to analytes present above the linear calibration curve, samples had to be analyzed at a dilution. For samples analyzed at a dilution, the reporting limits have been adjusted relative to the dilution required. The following table details the associated dilutions.

Sample ID	Dilution
SK-2S	1:8
SK-2D	1:4
SK-3S	1:2

Sample ID	Dilution
SK-3D	1:2
SK-4S	1:2
SK-4D	1:2
SK-5S	1:4
SK-5D	1:4
SK-10S	1:4
SK-26S	1:4
SK-27S	1:5

- Client specific MS/MSD were performed on samples SK-1S and SK-5D. All spike parameters were within QC control limits with the exception of the item noted in the following table. Method precision and accuracy have been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

Parameter	QC Batch/ Specific Sample	MS %Rec	MSD %Rec	Recovery Limits	RPD	RPD Limits
Trichloroethene	SK-5D	88	77	81-121	3.0	0-20

Dissolved Gases

- Sample analysis did not reveal any detected target analytes at or above Safety-Kleen (Wichita)'s RLs, with the exception of the items noted in the following table.

Sample ID	Parameter	Detection	RL	Units
SK-1S	Methane	0.70	0.50	ug/L
SK-1D	Methane	0.92	0.50	ug/L
SK-2S	Methane	160 E	0.50	ug/L
SK-2S RE	Methane	160 D	1.5	ug/L
SK-2D	Methane	1.7	0.50	ug/L
SK-3S	Methane	7.4	0.50	ug/L
SK-3D	Methane	0.88	0.50	ug/L
SK-4S	Methane	4.3	0.50	ug/L
SK-4D	Methane	1.9	0.50	ug/L
SK-5S	Methane	110 E	0.50	ug/L
SK-5S RE	Methane	110 D	1.0	ug/L
SK-5D	Methane	1.2	0.50	ug/L
SK-6S	Methane	73	0.50	ug/L
SK-10S	Ethane	2.2	0.50	ug/L
	Methane	27	0.50	ug/L
SK-25D	Methane	0.98	0.50	ug/L
SK-26S	Ethane	2.3	0.50	ug/L
	Methane	27	0.50	ug/L
SK-27S	Methane	9.9	0.50	ug/L
SK-28S	Methane	620 E	0.50	ug/L
SK-28S RE	Methane	1900 D	25	ug/L

- The samples were analyzed within holding time and without incident, with the exception of the following items noted.
- Samples SK-2S, SK-5S and SK-28S contained Methane at concentrations that were above the instruments linear calibration curve. The results in the analytical report have been flagged with an "E", as these are estimated values. The samples were reanalyzed with the necessary dilutions. The reporting limits have been adjusted relative to the dilution required, and the results have been flagged with a "D", as these results were obtained from the analysis of a dilution. Both the original and reanalysis data have been provided for comparison.

Total and Dissolved Metals

- Sample analysis revealed detectable concentrations at or above Safety-Kleen (Wichita)'s RLs, as detailed in the Executive Summary-Detection Highlights Report. The samples were analyzed within holding time and without incident, with the exception of the following items noted.
- Percent recoveries and RPD data could not be calculated, for the Total Iron MS/MSD performed on sample SK-1S, due to the sample concentration reading greater than four times the spike amount.

General Chemistry

- Sample analysis revealed detectable concentrations at or above Safety-Kleen (Wichita)'s RLs, as detailed in the Executive Summary-Detection Highlights Report. The samples were analyzed within holding time and without incident, with the exception of the following items noted.
- Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the methods. In some cases, due to interferences or high constituent concentration, analyses were performed at a dilution. For analyses performed at a dilution, results have been flagged accordingly, and the reporting limits have been adjusted relative to the dilution required. The following table details the associated dilutions.

Q = The reporting limit is elevated due to high analyte levels.

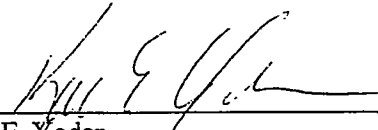
G = The reporting limit is elevated due to matrix interference.

Sample ID	Parameter	Dilution	Flag
SK-1S	Sulfate	1:10	Q
	Total Dissolved Solids	1:2	G
SK-1D	Sulfate	1:10	Q
SK-2S	Sulfate	1:5	Q
	Total Dissolved Solids	1:5	G
SK-2D	Sulfate	1:10	Q
SK-3S	Sulfate	1:5	Q
	Total Dissolved Solids	1:5	G
SK-3D	Sulfate	1:10	Q
SK-4S	Sulfate	1:10	Q
	Total Dissolved Solids	1:10	G
SK-4D	Sulfate	1:10	Q
SK-5S	Sulfate	1:2	Q
	Total Dissolved Solids	1:5	G
SK-5D	Sulfate	1:10	Q
SK-6S	Sulfate	1:2	Q
	Total Dissolved Solids	1:5	G
SK-10S	Sulfate	1:5	Q
	Total Dissolved Solids	1:10	G
SK-25D	Sulfate	1:10	Q
SK-26S	Sulfate	1:5	Q
	Total Dissolved Solids	1:10	G
SK-27S	Sulfate	1:5	Q
	Total Dissolved Solids	1:2	G
SK-28S	Sulfate	1:5	Q
	Total Dissolved Solids	1:5	G

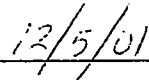
- Please note that the Total Organic Carbon MS/MSD associated with QC batch 1330523 also supports QC batch 1330527. In addition, the Total Alkalinity Sample Duplicate analysis data associated with QC batches 1323551 and 1325370 also support QC batches 1323550 and 1325372, respectively.

These data and reporting limits are being used specifically to meet the needs of this project. All RLs are supported by STL Denver's Method Detection Limits (MDLs). Reporting limits in this report are at or above the MDL.

I certify that the data presented in this report are accurate, complete, and meets the minimum quality assurance standards in 40-CFR 136, 40-CFR 141, and/or SW846. The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. An assessment of the quality of the data, noting any exceptions, outliers, and/or problems encountered have been narrated herein.



Kae E. Yoder
Project Manager



Date

EXECUTIVE SUMMARY - Detection Highlights

D1K130267

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SK-1S 11/11/01 08:15 001				
Methane	0.70	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	131	0.20	mg/L	SW846 6010B
Magnesium - DISSOLVED	50.0	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	0.020	0.010	mg/L	SW846 6010B
Sodium - DISSOLVED	43.7	5.0	mg/L	SW846 6010B
Iron	56.6	0.10	mg/L	SW846 6010B
Manganese	0.54	0.010	mg/L	SW846 6010B
cis-1,2-Dichloroethene	3.3	1.0	ug/L	SW846 8260B
Tetrachloroethene	24	1.0	ug/L	SW846 8260B
Trichloroethene	2.1	1.0	ug/L	SW846 8260B
Total Dissolved	1040 G	20.0	mg/L	MCAWW 160.1
Solids				
Chloride	55.5	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	1.7	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	1.9	1.0	mg/L	MCAWW 415.1
Sulfate	315 Q	50.0	mg/L	MCAWW 375.4
Bicarbonate	260	5.0	mg/L	MCAWW 310.1
Alkalinity				
Total Alkalinity	260	5.0	mg/L	MCAWW 310.1
SK-1D 11/11/01 07:45 002				
Methane	0.92	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	164	0.20	mg/L	SW846 6010B
Magnesium - DISSOLVED	62.9	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	0.056	0.010	mg/L	SW846 6010B
Sodium - DISSOLVED	44.9	5.0	mg/L	SW846 6010B
Iron	0.35	0.10	mg/L	SW846 6010B
Manganese	0.069	0.010	mg/L	SW846 6010B
Total Dissolved	1000	10.0	mg/L	MCAWW 160.1
Solids				
Chloride	50.6	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	1.7	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	3.5	1.0	mg/L	MCAWW 415.1
Sulfate	443 Q	50.0	mg/L	MCAWW 375.4
Bicarbonate	269	5.0	mg/L	MCAWW 310.1
Alkalinity				
Total Alkalinity	269	5.0	mg/L	MCAWW 310.1

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EXECUTIVE SUMMARY - Detection Highlights

D1K130267

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SK-2S 11/11/01 11:00 003				
Methane	160 E	0.50	ug/L	RSK SOP-175
Methane	160 D	1.5	ug/L	RSK SOP-175
Calcium - DISSOLVED	134	0.20	mg/L	SW846 6010B
Iron - DISSOLVED	0.13	0.10	mg/L	SW846 6010B
Potassium - DISSOLVED	3.3	3.0	mg/L	SW846 6010B
Magnesium - DISSOLVED	35.7	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	2.5	0.010	mg/L	SW846 6010B
Sodium - DISSOLVED	72.2	5.0	mg/L	SW846 6010B
Iron	385	0.10	mg/L	SW846 6010B
Manganese	10.5	0.010	mg/L	SW846 6010B
1,1-Dichloroethane	17	8.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	260	8.0	ug/L	SW846 8260B
Tetrachloroethene	180	8.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	38	8.0	ug/L	SW846 8260B
Trichloroethene	100	8.0	ug/L	SW846 8260B
Total Dissolved	825 G	50.0	mg/L	MCAWW 160.1
Solids				
Chloride	80.8	2.5	mg/L	MCAWW 325.2
Total Organic Carbon	5.2	1.0	mg/L	MCAWW 415.1
Sulfate	132 Q	25.0	mg/L	MCAWW 375.4
Bicarbonate	423	5.0	mg/L	MCAWW 310.1
Alkalinity				
Total Alkalinity	423	5.0	mg/L	MCAWW 310.1
Ammonia as N	0.13	0.10	mg/L	MCAWW 350.1
SK-2D 11/11/01 11:30 004				
Methane	1.7	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	141	0.20	mg/L	SW846 6010B
Magnesium - DISSOLVED	56.8	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	0.61	0.010	mg/L	SW846 6010B
Sodium - DISSOLVED	50.1	5.0	mg/L	SW846 6010B
Iron	3.3	0.10	mg/L	SW846 6010B
Manganese	0.87	0.010	mg/L	SW846 6010B
cis-1,2-Dichloroethene	39	4.0	ug/L	SW846 8260B
Trichloroethene	210	4.0	ug/L	SW846 8260B
Total Dissolved	895	10.0	mg/L	MCAWW 160.1
Solids				
Chloride	56.0	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	3.3	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	16.9	1.0	mg/L	MCAWW 415.1
Sulfate	287 Q	50.0	mg/L	MCAWW 375.4
Bicarbonate	347	5.0	mg/L	MCAWW 310.1
Alkalinity				

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EXECUTIVE SUMMARY - Detection Highlights

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PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SK-2D 11/11/01 11:30 004				
Total Alkalinity	347	5.0	mg/L	MCAWW 310.1
SK-3S 11/11/01 10:05 005				
Methane	7.4	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	102	0.20	mg/L	SW846 6010B
Potassium - DISSOLVED	3.3	3.0	mg/L	SW846 6010B
Magnesium - DISSOLVED	35.8	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	0.94	0.010	mg/L	SW846 6010B
Sodium - DISSOLVED	46.8	5.0	mg/L	SW846 6010B
Iron	21.5	0.10	mg/L	SW846 6010B
Manganese	1.1	0.010	mg/L	SW846 6010B
cis-1,2-Dichloroethene	6.7	2.0	ug/L	SW846 8260B
Ethylbenzene	33	2.0	ug/L	SW846 8260B
Isopropylbenzene	2.1	2.0	ug/L	SW846 8260B
Naphthalene	3.8	2.0	ug/L	SW846 8260B
n-Propylbenzene	6.7	2.0	ug/L	SW846 8260B
Tetrachloroethene	8.0	2.0	ug/L	SW846 8260B
Toluene	87	2.0	ug/L	SW846 8260B
Trichloroethene	35	2.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	55	2.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	13	2.0	ug/L	SW846 8260B
o-Xylene	44	2.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	120	4.0	ug/L	SW846 8260B
Total Dissolved	1000 G	50.0	mg/L	MCAWW 160.1
Solids				
Chloride	53.4	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	5.8	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	5.9	1.0	mg/L	MCAWW 415.1
Sulfate	167 Q	25.0	mg/L	MCAWW 375.4
Bicarbonate	282	5.0	mg/L	MCAWW 310.1
Alkalinity				
Total Alkalinity	282	5.0	mg/L	MCAWW 310.1
SK-3D 11/11/01 10:35 006				
Methane	0.88	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	106	0.20	mg/L	SW846 6010B
Magnesium - DISSOLVED	40.5	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	0.33	0.010	mg/L	SW846 6010B
Sodium - DISSOLVED	44.6	5.0	mg/L	SW846 6010B
Iron	11.3	0.10	mg/L	SW846 6010B
Manganese	0.55	0.010	mg/L	SW846 6010B

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EXECUTIVE SUMMARY - Detection Highlights

D1K130267

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SK-3D 11/11/01 10:35 006				
cis-1,2-Dichloroethene	11	2.0	ug/L	SW846 8260B
Trichloroethene	69	2.0	ug/L	SW846 8260B
Total Dissolved	649	10.0	mg/L	MCAWW 160.1
Solids				
Chloride	52.0	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	5.1	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	20.0	1.0	mg/L	MCAWW 415.1
Sulfate	189 Q	50.0	mg/L	MCAWW 375.4
Bicarbonate	285	5.0	mg/L	MCAWW 310.1
Alkalinity				
Total Alkalinity	285	5.0	mg/L	MCAWW 310.1
SK-4S 11/11/01 09:40 007				
Methane	4.3	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	138	0.20	mg/L	SW846 6010B
Potassium - DISSOLVED	3.3	3.0	mg/L	SW846 6010B
Magnesium - DISSOLVED	38.3	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	1.8	0.010	mg/L	SW846 6010B
Sodium - DISSOLVED	43.1	5.0	mg/L	SW846 6010B
Iron	0.85	0.10	mg/L	SW846 6010B
Manganese	1.9	0.010	mg/L	SW846 6010B
1,1-Dichloroethane	7.8	2.0	ug/L	SW846 8260B
1,1-Dichloroethene	3.6	2.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	45	2.0	ug/L	SW846 8260B
Tetrachloroethene	76	2.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	11	2.0	ug/L	SW846 8260B
Trichloroethene	12	2.0	ug/L	SW846 8260B
Total Dissolved	1030 G	100	mg/L	MCAWW 160.1
Solids				
Chloride	36.9	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	1.3	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	2.9	1.0	mg/L	MCAWW 415.1
Sulfate	190 Q	50.0	mg/L	MCAWW 375.4
Bicarbonate	386	5.0	mg/L	MCAWW 310.1
Alkalinity				
Total Alkalinity	386	5.0	mg/L	MCAWW 310.1
SK-4D 11/11/01 15:15 008				
Methane	1.9	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	120	0.20	mg/L	SW846 6010B
Potassium - DISSOLVED	3.0	3.0	mg/L	SW846 6010B

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EXECUTIVE SUMMARY - Detection Highlights

DIK130267

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SK-4D 11/11/01 15:15 008				
Magnesium - DISSOLVED	45.7	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	1.4	0.010	mg/L	SW846 6010B
Sodium - DISSOLVED	50.0	5.0	mg/L	SW846 6010B
Iron	0.50	0.10	mg/L	SW846 6010B
Manganese	1.5	0.010	mg/L	SW846 6010B
cis-1,2-Dichloroethene	11	2.0	ug/L	SW846 8260B
Tetrachloroethene	3.5	2.0	ug/L	SW846 8260B
Trichloroethene	63	2.0	ug/L	SW846 8260B
Total Dissolved Solids	767	10.0	mg/L	MCAWW 160.1
Chloride	65.1	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	3.1	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	4.2	1.0	mg/L	MCAWW 415.1
Sulfate	190 Q	50.0	mg/L	MCAWW 375.4
Bicarbonate	338	5.0	mg/L	MCAWW 310.1
Alkalinity				
Total Alkalinity	338	5.0	mg/L	MCAWW 310.1
SK-5S 11/11/01 12:05 009				
Methane	110 E	0.50	ug/L	RSK SOP-175
Methane	110 D	1.0	ug/L	RSK SOP-175
Calcium - DISSOLVED	128	0.20	mg/L	SW846 6010B
Iron - DISSOLVED	2.6	0.10	mg/L	SW846 6010B
Potassium - DISSOLVED	3.9	3.0	mg/L	SW846 6010B
Magnesium - DISSOLVED	35.5	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	2.6	0.010	mg/L	SW846 6010B
Sodium - DISSOLVED	90.6	5.0	mg/L	SW846 6010B
Iron	35.6	0.10	mg/L	SW846 6010B
Manganese	3.5	0.010	mg/L	SW846 6010B
1,1-Dichloroethane	10	4.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	120	4.0	ug/L	SW846 8260B
Tetrachloroethene	230	4.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	24	4.0	ug/L	SW846 8260B
Trichloroethene	90	4.0	ug/L	SW846 8260B
Total Dissolved Solids	910 G	50.0	mg/L	MCAWW 160.1
Chloride	115	2.5	mg/L	MCAWW 325.2
Total Organic Carbon	4.6	1.0	mg/L	MCAWW 415.1
Sulfate	68.0 Q	10.0	mg/L	MCAWW 375.4
Bicarbonate	481	5.0	mg/L	MCAWW 310.1
Alkalinity				
Total Alkalinity	481	5.0	mg/L	MCAWW 310.1

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EXECUTIVE SUMMARY - Detection Highlights

D1K130267

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SK-5S 11/11/01 12:05 009				
Ammonia as N	0.24	0.10	mg/L	MCAWW 350.1
SK-5D 11/11/01 12:35 010				
Methane	1.2	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	119	0.20	mg/L	SW846 6010B
Magnesium - DISSOLVED	49.0	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	0.42	0.010	mg/L	SW846 6010B
Sodium - DISSOLVED	45.7	5.0	mg/L	SW846 6010B
Iron	1.8	0.10	mg/L	SW846 6010B
Manganese	0.51	0.010	mg/L	SW846 6010B
cis-1,2-Dichloroethene	20	4.0	ug/L	SW846 8260B
Trichloroethene	120	4.0	ug/L	SW846 8260B
Total Dissolved	770	10.0	mg/L	MCAWW 160.1
Solids				
Chloride	74.4	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	3.6	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	18.9	1.0	mg/L	MCAWW 415.1
Sulfate	234 Q	50.0	mg/L	MCAWW 375.4
Bicarbonate	318	5.0	mg/L	MCAWW 310.1
Alkalinity				
Total Alkalinity	318	5.0	mg/L	MCAWW 310.1
SK-6S 11/11/01 07:15 011				
Methane	73	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	99.8	0.20	mg/L	SW846 6010B
Magnesium - DISSOLVED	36.3	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	2.7	0.010	mg/L	SW846 6010B
Sodium - DISSOLVED	82.2	5.0	mg/L	SW846 6010B
Iron	6.9	0.10	mg/L	SW846 6010B
Manganese	2.8	0.010	mg/L	SW846 6010B
1,1-Dichloroethane	2.8	1.0	ug/L	SW846 8260B
Tetrachloroethene	2.0	1.0	ug/L	SW846 8260B
Total Dissolved	1400 G	50.0	mg/L	MCAWW 160.1
Solids				
Chloride	56.1	2.5	mg/L	MCAWW 325.2
Total Organic Carbon	2.9	1.0	mg/L	MCAWW 415.1
Sulfate	93.2 Q	10.0	mg/L	MCAWW 375.4
Bicarbonate	410	5.0	mg/L	MCAWW 310.1
Alkalinity				
Total Alkalinity	410	5.0	mg/L	MCAWW 310.1

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EXECUTIVE SUMMARY - Detection Highlights

D1K130267

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SK-10S 11/11/01 14:15 012				
Ethane	2.2	0.50	ug/L	RSK SOP-175
Methane	27	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	92.8	0.20	mg/L	SW846 6010B
Potassium - DISSOLVED	3.0	3.0	mg/L	SW846 6010B
Magnesium - DISSOLVED	41.3	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	2.6	0.010	mg/L	SW846 6010B
Sodium - DISSOLVED	75.2	5.0	mg/L	SW846 6010B
Iron	259	0.10	mg/L	SW846 6010B
Manganese	9.8	0.010	mg/L	SW846 6010B
1,1-Dichloroethane	11	4.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	110	4.0	ug/L	SW846 8260B
Tetrachloroethene	56	4.0	ug/L	SW846 8260B
Trichloroethene	9.7	4.0	ug/L	SW846 8260B
Vinyl chloride	51	4.0	ug/L	SW846 8260B
Total Dissolved	680 G	100	mg/L	MCAWW 160.1
Solids				
Chloride	80.5	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	0.35	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	4.6	1.0	mg/L	MCAWW 415.1
Sulfate	142 Q	25.0	mg/L	MCAWW 375.4
Bicarbonate	338	5.0	mg/L	MCAWW 310.1
Alkalinity				
Total Alkalinity	338	5.0	mg/L	MCAWW 310.1
Ammonia as N	0.39	0.10	mg/L	MCAWW 350.1
SK-25D 11/11/01 13:00 013				
Methane	0.98	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	163	0.20	mg/L	SW846 6010B
Magnesium - DISSOLVED	63.9	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	0.055	0.010	mg/L	SW846 6010B
Sodium - DISSOLVED	45.6	5.0	mg/L	SW846 6010B
Iron	0.46	0.10	mg/L	SW846 6010B
Manganese	0.067	0.010	mg/L	SW846 6010B
Total Dissolved	994	10.0	mg/L	MCAWW 160.1
Solids				
Chloride	50.9	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	1.7	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	4.0	1.0	mg/L	MCAWW 415.1
Sulfate	419 Q	50.0	mg/L	MCAWW 375.4
Bicarbonate	270	5.0	mg/L	MCAWW 310.1
Alkalinity				
Total Alkalinity	270	5.0	mg/L	MCAWW 310.1

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EXECUTIVE SUMMARY - Detection Highlights

D1K130267

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SK-26S 11/11/01 13:30 014				
Ethane	2.3	0.50	ug/L	RSK SOP-175
Methane	27	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	94.8	0.20	mg/L	SW846 6010B
Potassium - DISSOLVED	3.4	3.0	mg/L	SW846 6010B
Magnesium - DISSOLVED	42.1	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	2.7	0.010	mg/L	SW846 6010B
Sodium - DISSOLVED	77.4	5.0	mg/L	SW846 6010B
Iron	430	0.10	mg/L	SW846 6010B
Manganese	12.2	0.010	mg/L	SW846 6010B
1,1-Dichloroethane	14	4.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	140	4.0	ug/L	SW846 8260B
Tetrachloroethene	67	4.0	ug/L	SW846 8260B
Trichloroethene	12	4.0	ug/L	SW846 8260B
Vinyl chloride	59	4.0	ug/L	SW846 8260B
Total Dissolved	840 G	100	mg/L	MCAWW 160.1
Solids				
Chloride	80.2	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	0.42	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	5.4	1.0	mg/L	MCAWW 415.1
Sulfate	160 Q	25.0	mg/L	MCAWW 375.4
Bicarbonate	332	5.0	mg/L	MCAWW 310.1
Alkalinity				
Total Alkalinity	332	5.0	mg/L	MCAWW 310.1
Ammonia as N	0.44	0.10	mg/L	MCAWW 350.1
SK-27S 11/11/01 14:00 015				
Methane	9.9	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	102	0.20	mg/L	SW846 6010B
Potassium - DISSOLVED	3.9	3.0	mg/L	SW846 6010B
Magnesium - DISSOLVED	35.8	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	0.94	0.010	mg/L	SW846 6010B
Sodium - DISSOLVED	47.8	5.0	mg/L	SW846 6010B
Iron	11.6	0.10	mg/L	SW846 6010B
Manganese	1.0	0.010	mg/L	SW846 6010B
cis-1,2-Dichloroethene	7.1	5.0	ug/L	SW846 8260B
Ethylbenzene	32	5.0	ug/L	SW846 8260B
n-Propylbenzene	6.2	5.0	ug/L	SW846 8260B
Tetrachloroethene	9.2	5.0	ug/L	SW846 8260B
Toluene	93	5.0	ug/L	SW846 8260B
Trichloroethene	35	5.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	57	5.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	14	5.0	ug/L	SW846 8260B

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EXECUTIVE SUMMARY - Detection Highlights

DLK130267

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SK-27S 11/11/01 14:00 015				
o-Xylene	44	5.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	120	10	ug/L	SW846 8260B
Total Dissolved Solids	666 G	20.0	mg/L	MCAWW 160.1
Chloride	57.8	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	5.9	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	2.8	1.0	mg/L	MCAWW 415.1
Sulfate	138 Q	25.0	mg/L	MCAWW 375.4
Bicarbonate	277	5.0	mg/L	MCAWW 310.1
Alkalinity Total Alkalinity	277	5.0	mg/L	MCAWW 310.1
SK-28S 11/11/01 14:30 018				
Methane	620 E	0.50	ug/L	RSK SOP-175
Methane	1900 D	25	ug/L	RSK SOP-175
Calcium - DISSOLVED	132	0.20	mg/L	SW846 6010B
Iron - DISSOLVED	1.9	0.10	mg/L	SW846 6010B
Potassium - DISSOLVED	3.4	3.0	mg/L	SW846 6010B
Magnesium - DISSOLVED	16.7	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	0.78	0.010	mg/L	SW846 6010B
Sodium - DISSOLVED	23.2	5.0	mg/L	SW846 6010B
Iron	77.6	0.10	mg/L	SW846 6010B
Manganese	1.4	0.010	mg/L	SW846 6010B
n-Butylbenzene	5.4	1.0	ug/L	SW846 8260B
sec-Butylbenzene	2.4	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	1.5	1.0	ug/L	SW846 8260B
Isopropylbenzene	1.9	1.0	ug/L	SW846 8260B
Naphthalene	5.9	1.0	ug/L	SW846 8260B
n-Propylbenzene	2.7	1.0	ug/L	SW846 8260B
Total Dissolved Solids	655 G	50.0	mg/L	MCAWW 160.1
Chloride	12.1	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	0.45	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	3.5	1.0	mg/L	MCAWW 415.1
Sulfate	164 Q	25.0	mg/L	MCAWW 375.4
Bicarbonate	263	5.0	mg/L	MCAWW 310.1
Alkalinity Total Alkalinity	263	5.0	mg/L	MCAWW 310.1
Ammonia as N	0.15	0.10	mg/L	MCAWW 350.1

METHODS SUMMARY

D1K130267

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Alkalinity	MCAWW 310.1	MCAWW 310.1
Bicarbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Carbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Chloride (Colorimetric, Automated Ferricyanide)	MCAWW 325.2	MCAWW 325.2
Dissolved Gases in Water	RSK SOP-175	EPA-9 RSK-175
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3005A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3010A
Nitrate-Nitrite	MCAWW 353.2	MCAWW 353.2
Nitrogen, Ammonia	MCAWW 350.1	MCAWW 350.1
Sulfate	MCAWW 375.4	MCAWW 375.4
Total Organic Carbon	MCAWW 415.1	MCAWW 415.1
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

- MCAWW "Methods for Chemical Analysis of Water and Wastes",
EPA-600/4-79-020, March 1983 and subsequent revisions.
- RSK Sample Prep and Calculations for Dissolved Gas Analysis
in Water Samples Using a GC Headspace Equilibration
Technique, RSKSOP-175, REV. 0, 8/11/94, USEPA Research Lab
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

D1K130267

<u>ANALYTICAL METHOD</u>	<u>ANALYST</u>	<u>ANALYST ID</u>
MCAWW 160.1	Lisa Finkle	003889
MCAWW 310.1	Ewa Kudla	001167
MCAWW 325.2	Maria Fayard	002596
MCAWW 350.1	Sara Agner	008534
MCAWW 353.2	Sara Agner	008534
MCAWW 375.4	Maria Fayard	002596
MCAWW 415.1	Dave Elkin	000901
RSK SOP-175	William Jaycox	800012
SW846 6010B	Steve Mustain	006720
SW846 8260B	Mark McDaniel	000998
SW846 8260B	Mike Armstrong	002544

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes",
EPA-600/4-79-020, March 1983 and subsequent revisions.

RSK Sample Prep and Calculations for Dissolved Gas Analysis
in Water Samples Using a GC Headspace Equilibration
Technique, RSKSOP-175, REV. 0, 8/11/94, USEPA Research Lab

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

D1K130267

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
ENV29	001	SK-1S	11/11/01	08:15
ENV3E	002	SK-1D	11/11/01	07:45
ENV3F	003	SK-2S	11/11/01	11:00
ENV3G	004	SK-2D	11/11/01	11:30
ENV3H	005	SK-3S	11/11/01	10:05
ENV3L	006	SK-3D	11/11/01	10:35
ENV3M	007	SK-4S	11/11/01	09:40
ENV3N	008	SK-4D	11/11/01	15:15
ENV3P	009	SK-5S	11/11/01	12:05
ENV3V	010	SK-5D	11/11/01	12:35
ENV3W	011	SK-6S	11/11/01	07:15
ENV3X	012	SK-10S	11/11/01	14:15
ENV31	013	SK-25D	11/11/01	13:00
ENV34	014	SK-26S	11/11/01	13:30
ENV37	015	SK-27S	11/11/01	14:00
ENV39	016	TB-04	11/11/01	
ENV4C	017	TB-05	11/11/01	
ENV4G	018	SK-28S	11/11/01	14:30

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

CAMERON-COLE LLC

Client Sample ID: SK-1S

GC/MS Volatiles

Lot-Sample #....: D1K130267-001 Work Order #....: ENV291AA Matrix.....: WATER
 Date Sampled....: 11/11/01 08:15 Date Received...: 11/13/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324409 Analysis Time...: 12:34
 Dilution Factor: 1
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	3.3	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: SK-1S

GC/MS Volatiles

Lot-Sample #....: D1K130267-001 Work Order #....: ENV291AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	24	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	2.1	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(80 - 120)
1,2-Dichloroethane-d4	97	(72 - 127)
4-Bromofluorobenzene	97	(79 - 119)
Toluene-d8	111	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: SK-1D

GC/MS Volatiles

Lot-Sample #....: D1K130267-002 Work Order #....: ENV3E1AC Matrix.....: WATER
 Date Sampled....: 11/11/01 07:45 Date Received...: 11/13/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324409 Analysis Time...: 13:53
 Dilution Factor: 1
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: SK-1D

GC/MS Volatiles

Lot-Sample #....: D1K130267-002 Work Order #....: ENV3E1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(80 - 120)
1,2-Dichloroethane-d4	111	(72 - 127)
4-Bromofluorobenzene	102	(79 - 119)
Toluene-d8	107	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: SK-2S

GC/MS Volatiles

Lot-Sample #....: D1K130267-003 Work Order #....: ENV3F1AC Matrix.....: WATER
 Date Sampled....: 11/11/01 11:00 Date Received...: 11/13/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324409 Analysis Time...: 14:19
 Dilution Factor: 8

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	8.0	ug/L
Bromobenzene	ND	8.0	ug/L
Bromochloromethane	ND	8.0	ug/L
Bromodichloromethane	ND	8.0	ug/L
Bromoform	ND	8.0	ug/L
Bromomethane	ND	16	ug/L
n-Butylbenzene	ND	8.0	ug/L
sec-Butylbenzene	ND	8.0	ug/L
tert-Butylbenzene	ND	8.0	ug/L
Carbon tetrachloride	ND	8.0	ug/L
Chlorobenzene	ND	8.0	ug/L
Chlorodibromomethane	ND	8.0	ug/L
Chloroethane	ND	16	ug/L
Chloroform	ND	8.0	ug/L
Chloromethane	ND	16	ug/L
2-Chlorotoluene	ND	8.0	ug/L
4-Chlorotoluene	ND	8.0	ug/L
Dibromomethane	ND	8.0	ug/L
1,2-Dichlorobenzene	ND	8.0	ug/L
1,3-Dichlorobenzene	ND	8.0	ug/L
1,4-Dichlorobenzene	ND	8.0	ug/L
Dichlorodifluoromethane	ND	16	ug/L
1,1-Dichloroethane	17	8.0	ug/L
1,2-Dichloroethane	ND	8.0	ug/L
1,1-Dichloroethene	ND	8.0	ug/L
cis-1,2-Dichloroethene	260	8.0	ug/L
trans-1,2-Dichloroethene	ND	4.0	ug/L
1,2-Dichloropropane	ND	8.0	ug/L
1,3-Dichloropropane	ND	8.0	ug/L
2,2-Dichloropropane	ND	40	ug/L
1,1-Dichloropropene	ND	8.0	ug/L
Ethylbenzene	ND	8.0	ug/L
Trichlorofluoromethane	ND	16	ug/L
Hexachlorobutadiene	ND	8.0	ug/L
Isopropylbenzene	ND	8.0	ug/L
p-Isopropyltoluene	ND	8.0	ug/L
Methylene chloride	ND	8.0	ug/L
Naphthalene	ND	8.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: SK-2S

GC/MS Volatiles

Lot-Sample #....: D1K130267-003 Work Order #....: ENV3F1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	8.0	ug/L
Styrene	ND	8.0	ug/L
1,1,1,2-Tetrachloroethane	ND	8.0	ug/L
1,1,2,2-Tetrachloroethane	ND	8.0	ug/L
Tetrachloroethene	180	8.0	ug/L
Toluene	ND	8.0	ug/L
1,2,3-Trichlorobenzene	ND	8.0	ug/L
1,2,4-Trichloro- benzene	ND	8.0	ug/L
1,1,1-Trichloroethane	38	8.0	ug/L
1,1,2-Trichloroethane	ND	8.0	ug/L
Trichloroethene	100	8.0	ug/L
1,2,3-Trichloropropane	ND	8.0	ug/L
1,2,4-Trimethylbenzene	ND	8.0	ug/L
1,3,5-Trimethylbenzene	ND	8.0	ug/L
Vinyl chloride	ND	8.0	ug/L
o-Xylene	ND	8.0	ug/L
m-Xylene & p-Xylene	ND	16	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	16	ug/L
1,2-Dibromoethane (EDB)	ND	8.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(80 - 120)
1,2-Dichloroethane-d4	110	(72 - 127)
4-Bromofluorobenzene	101	(79 - 119)
Toluene-d8	108	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: SK-2D

GC/MS Volatiles

Lot-Sample #....: D1K130267-004 Work Order #....: ENV3G1AC Matrix.....: WATER
 Date Sampled....: 11/11/01 11:30 Date Received...: 11/13/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324409 Analysis Time...: 14:44
 Dilution Factor: 4
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	4.0	ug/L
Bromobenzene	ND	4.0	ug/L
Bromochloromethane	ND	4.0	ug/L
Bromodichloromethane	ND	4.0	ug/L
Bromoform	ND	4.0	ug/L
Bromomethane	ND	8.0	ug/L
n-Butylbenzene	ND	4.0	ug/L
sec-Butylbenzene	ND	4.0	ug/L
tert-Butylbenzene	ND	4.0	ug/L
Carbon tetrachloride	ND	4.0	ug/L
Chlorobenzene	ND	4.0	ug/L
Chlorodibromomethane	ND	4.0	ug/L
Chloroethane	ND	8.0	ug/L
Chloroform	ND	4.0	ug/L
Chloromethane	ND	8.0	ug/L
2-Chlorotoluene	ND	4.0	ug/L
4-Chlorotoluene	ND	4.0	ug/L
Dibromomethane	ND	4.0	ug/L
1,2-Dichlorobenzene	ND	4.0	ug/L
1,3-Dichlorobenzene	ND	4.0	ug/L
1,4-Dichlorobenzene	ND	4.0	ug/L
Dichlorodifluoromethane	ND	8.0	ug/L
1,1-Dichloroethane	ND	4.0	ug/L
1,2-Dichloroethane	ND	4.0	ug/L
1,1-Dichloroethene	ND	4.0	ug/L
cis-1,2-Dichloroethene	39	4.0	ug/L
trans-1,2-Dichloroethene	ND	2.0	ug/L
1,2-Dichloropropane	ND	4.0	ug/L
1,3-Dichloropropane	ND	4.0	ug/L
2,2-Dichloropropane	ND	20	ug/L
1,1-Dichloropropene	ND	4.0	ug/L
Ethylbenzene	ND	4.0	ug/L
Trichlorofluoromethane	ND	8.0	ug/L
Hexachlorobutadiene	ND	4.0	ug/L
Isopropylbenzene	ND	4.0	ug/L
p-Isopropyltoluene	ND	4.0	ug/L
Methylene chloride	ND	4.0	ug/L
Naphthalene	ND	4.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: SK-2D

GC/MS Volatiles

Lot-Sample #....: D1K130267-004 Work Order #....: ENV3G1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	4.0	ug/L
Styrene	ND	4.0	ug/L
1,1,1,2-Tetrachloroethane	ND	4.0	ug/L
1,1,2,2-Tetrachloroethane	ND	4.0	ug/L
Tetrachloroethene	ND	4.0	ug/L
Toluene	ND	4.0	ug/L
1,2,3-Trichlorobenzene	ND	4.0	ug/L
1,2,4-Trichloro- benzene	ND	4.0	ug/L
1,1,1-Trichloroethane	ND	4.0	ug/L
1,1,2-Trichloroethane	ND	4.0	ug/L
Trichloroethene	210	4.0	ug/L
1,2,3-Trichloropropane	ND	4.0	ug/L
1,2,4-Trimethylbenzene	ND	4.0	ug/L
1,3,5-Trimethylbenzene	ND	4.0	ug/L
Vinyl chloride	ND	4.0	ug/L
o-Xylene	ND	4.0	ug/L
m-Xylene & p-Xylene	ND	8.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	8.0	ug/L
1,2-Dibromoethane (EDB)	ND	4.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(80 - 120)
1,2-Dichloroethane-d4	105	(72 - 127)
4-Bromofluorobenzene	99	(79 - 119)
Toluene-d8	107	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: SK-3S

GC/MS Volatiles

Lot-Sample #....: D1K130267-005 Work Order #....: ENV3H1AC Matrix.....: WATER
 Date Sampled....: 11/11/01 10:05 Date Received...: 11/13/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324409 Analysis Time...: 15:10
 Dilution Factor: 2

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	2.0	ug/L
Bromobenzene	ND	2.0	ug/L
Bromochloromethane	ND	2.0	ug/L
Bromodichloromethane	ND	2.0	ug/L
Bromoform	ND	2.0	ug/L
Bromomethane	ND	4.0	ug/L
n-Butylbenzene	ND	2.0	ug/L
sec-Butylbenzene	ND	2.0	ug/L
tert-Butylbenzene	ND	2.0	ug/L
Carbon tetrachloride	ND	2.0	ug/L
Chlorobenzene	ND	2.0	ug/L
Chlorodibromomethane	ND	2.0	ug/L
Chloroethane	ND	4.0	ug/L
Chloroform	ND	2.0	ug/L
Chloromethane	ND	4.0	ug/L
2-Chlorotoluene	ND	2.0	ug/L
4-Chlorotoluene	ND	2.0	ug/L
Dibromomethane	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	2.0	ug/L
1,3-Dichlorobenzene	ND	2.0	ug/L
1,4-Dichlorobenzene	ND	2.0	ug/L
Dichlorodifluoromethane	ND	4.0	ug/L
1,1-Dichloroethane	ND	2.0	ug/L
1,2-Dichloroethane	ND	2.0	ug/L
1,1-Dichloroethene	ND	2.0	ug/L
cis-1,2-Dichloroethene	6.7	2.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	2.0	ug/L
1,3-Dichloropropane	ND	2.0	ug/L
2,2-Dichloropropane	ND	10	ug/L
1,1-Dichloropropene	ND	2.0	ug/L
Ethylbenzene	33	2.0	ug/L
Trichlorofluoromethane	ND	4.0	ug/L
Hexachlorobutadiene	ND	2.0	ug/L
Isopropylbenzene	2.1	2.0	ug/L
p-Isopropyltoluene	ND	2.0	ug/L
Methylene chloride	ND	2.0	ug/L
Naphthalene	3.8	2.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: SK-3S

GC/MS Volatiles

Lot-Sample #...: D1K130267-005 Work Order #....: ENV3H1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
n-Propylbenzene	6.7	2.0	ug/L
Styrene	ND	2.0	ug/L
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L
Tetrachloroethene	8.0	2.0	ug/L
Toluene	87	2.0	ug/L
1,2,3-Trichlorobenzene	ND	2.0	ug/L
1,2,4-Trichloro- benzene	ND	2.0	ug/L
1,1,1-Trichloroethane	ND	2.0	ug/L
1,1,2-Trichloroethane	ND	2.0	ug/L
Trichloroethene	35	2.0	ug/L
1,2,3-Trichloropropane	ND	2.0	ug/L
1,2,4-Trimethylbenzene	55	2.0	ug/L
1,3,5-Trimethylbenzene	13	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
o-Xylene	44	2.0	ug/L
m-Xylene & p-Xylene	120	4.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	4.0	ug/L
1,2-Dibromoethane (EDB)	ND	2.0	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Dibromofluoromethane	105	(80 - 120)
1,2-Dichloroethane-d4	104	(72 - 127)
4-Bromofluorobenzene	96	(79 - 119)
Toluene-d8	103	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: SK-3D

GC/MS Volatiles

Lot-Sample #....: D1K130267-006 Work Order #....: ENV3L1AC Matrix.....: WATER
 Date Sampled....: 11/11/01 10:35 Date Received...: 11/13/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325275 Analysis Time...: 13:12
 Dilution Factor: 2
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	2.0	ug/L
Bromobenzene	ND	2.0	ug/L
Bromochloromethane	ND	2.0	ug/L
Bromodichloromethane	ND	2.0	ug/L
Bromoform	ND	2.0	ug/L
Bromomethane	ND	4.0	ug/L
n-Butylbenzene	ND	2.0	ug/L
sec-Butylbenzene	ND	2.0	ug/L
tert-Butylbenzene	ND	2.0	ug/L
Carbon tetrachloride	ND	2.0	ug/L
Chlorobenzene	ND	2.0	ug/L
Chlorodibromomethane	ND	2.0	ug/L
Chloroethane	ND	4.0	ug/L
Chloroform	ND	2.0	ug/L
Chloromethane	ND	4.0	ug/L
2-Chlorotoluene	ND	2.0	ug/L
4-Chlorotoluene	ND	2.0	ug/L
Dibromomethane	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	2.0	ug/L
1,3-Dichlorobenzene	ND	2.0	ug/L
1,4-Dichlorobenzene	ND	2.0	ug/L
Dichlorodifluoromethane	ND	4.0	ug/L
1,1-Dichloroethane	ND	2.0	ug/L
1,2-Dichloroethane	ND	2.0	ug/L
1,1-Dichloroethene	ND	2.0	ug/L
cis-1,2-Dichloroethene	11	2.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	2.0	ug/L
1,3-Dichloropropane	ND	2.0	ug/L
2,2-Dichloropropane	ND	10	ug/L
1,1-Dichloropropene	ND	2.0	ug/L
Ethylbenzene	ND	2.0	ug/L
Trichlorofluoromethane	ND	4.0	ug/L
Hexachlorobutadiene	ND	2.0	ug/L
Isopropylbenzene	ND	2.0	ug/L
p-Isopropyltoluene	ND	2.0	ug/L
Methylene chloride	ND	2.0	ug/L
Naphthalene	ND	2.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: SK-3D

GC/MS Volatiles

Lot-Sample #....: D1K130267-006 Work Order #....: ENV3L1AC Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
n-Propylbenzene	ND	2.0	ug/L
Styrene	ND	2.0	ug/L
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L
Tetrachloroethene	ND	2.0	ug/L
Toluene	ND	2.0	ug/L
1,2,3-Trichlorobenzene	ND	2.0	ug/L
1,2,4-Trichloro- benzene	ND	2.0	ug/L
1,1,1-Trichloroethane	ND	2.0	ug/L
1,1,2-Trichloroethane	ND	2.0	ug/L
Trichloroethene	69	2.0	ug/L
1,2,3-Trichloropropane	ND	2.0	ug/L
1,2,4-Trimethylbenzene	ND	2.0	ug/L
1,3,5-Trimethylbenzene	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
o-Xylene	ND	2.0	ug/L
m-Xylene & p-Xylene	ND	4.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	4.0	ug/L
1,2-Dibromoethane (EDB)	ND	2.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	107	(80 - 120)
1,2-Dichloroethane-d4	110	(72 - 127)
4-Bromofluorobenzene	94	(79 - 119)
Toluene-d8	114	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: SK-4S

GC/MS Volatiles

Lot-Sample #....: D1K130267-007 Work Order #....: ENV3M1AC Matrix.....: WATER
 Date Sampled....: 11/11/01 09:40 Date Received...: 11/13/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324409 Analysis Time...: 16:03
 Dilution Factor: 2
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	2.0	ug/L
Bromobenzene	ND	2.0	ug/L
Bromochloromethane	ND	2.0	ug/L
Bromodichloromethane	ND	2.0	ug/L
Bromoform	ND	2.0	ug/L
Bromomethane	ND	4.0	ug/L
n-Butylbenzene	ND	2.0	ug/L
sec-Butylbenzene	ND	2.0	ug/L
tert-Butylbenzene	ND	2.0	ug/L
Carbon tetrachloride	ND	2.0	ug/L
Chlorobenzene	ND	2.0	ug/L
Chlorodibromomethane	ND	2.0	ug/L
Chloroethane	ND	4.0	ug/L
Chloroform	ND	2.0	ug/L
Chloromethane	ND	4.0	ug/L
2-Chlorotoluene	ND	2.0	ug/L
4-Chlorotoluene	ND	2.0	ug/L
Dibromomethane	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	2.0	ug/L
1,3-Dichlorobenzene	ND	2.0	ug/L
1,4-Dichlorobenzene	ND	2.0	ug/L
Dichlorodifluoromethane	ND	4.0	ug/L
1,1-Dichloroethane	7.8	2.0	ug/L
1,2-Dichloroethane	ND	2.0	ug/L
1,1-Dichloroethene	3.6	2.0	ug/L
cis-1,2-Dichloroethene	45	2.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	2.0	ug/L
1,3-Dichloropropane	ND	2.0	ug/L
2,2-Dichloropropane	ND	10	ug/L
1,1-Dichloropropene	ND	2.0	ug/L
Ethylbenzene	ND	2.0	ug/L
Trichlorofluoromethane	ND	4.0	ug/L
Hexachlorobutadiene	ND	2.0	ug/L
Isopropylbenzene	ND	2.0	ug/L
p-Isopropyltoluene	ND	2.0	ug/L
Methylene chloride	ND	2.0	ug/L
Naphthalene	ND	2.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: SK-4S

GC/MS Volatiles

Lot-Sample #...: D1K130267-007 Work Order #...: ENV3MLAC Matrix.....: WATER

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
n-Propylbenzene	ND	2.0	ug/L
Styrene	ND	2.0	ug/L
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L
Tetrachloroethene	76	2.0	ug/L
Toluene	ND	2.0	ug/L
1,2,3-Trichlorobenzene	ND	2.0	ug/L
1,2,4-Trichloro- benzene	ND	2.0	ug/L
1,1,1-Trichloroethane	11	2.0	ug/L
1,1,2-Trichloroethane	ND	2.0	ug/L
Trichloroethene	12	2.0	ug/L
1,2,3-Trichloropropane	ND	2.0	ug/L
1,2,4-Trimethylbenzene	ND	2.0	ug/L
1,3,5-Trimethylbenzene	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
o-Xylene	ND	2.0	ug/L
m-Xylene & p-Xylene	ND	4.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	4.0	ug/L
1,2-Dibromoethane (EDB)	ND	2.0	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Dibromofluoromethane	106	(80 - 120)
1,2-Dichloroethane-d4	106	(72 - 127)
4-Bromofluorobenzene	96	(79 - 119)
Toluene-d8	106	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: SK-4D

GC/MS Volatiles

Lot-Sample #....: D1K130267-008 Work Order #....: ENV3N1AC Matrix.....: WATER
 Date Sampled....: 11/11/01 15:15 Date Received...: 11/13/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325275 Analysis Time...: 13:39
 Dilution Factor: 2

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	2.0	ug/L
Bromobenzene	ND	2.0	ug/L
Bromochloromethane	ND	2.0	ug/L
Bromodichloromethane	ND	2.0	ug/L
Bromoform	ND	2.0	ug/L
Bromomethane	ND	4.0	ug/L
n-Butylbenzene	ND	2.0	ug/L
sec-Butylbenzene	ND	2.0	ug/L
tert-Butylbenzene	ND	2.0	ug/L
Carbon tetrachloride	ND	2.0	ug/L
Chlorobenzene	ND	2.0	ug/L
Chlorodibromomethane	ND	2.0	ug/L
Chloroethane	ND	4.0	ug/L
Chloroform	ND	2.0	ug/L
Chloromethane	ND	4.0	ug/L
2-Chlorotoluene	ND	2.0	ug/L
4-Chlorotoluene	ND	2.0	ug/L
Dibromomethane	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	2.0	ug/L
1,3-Dichlorobenzene	ND	2.0	ug/L
1,4-Dichlorobenzene	ND	2.0	ug/L
Dichlorodifluoromethane	ND	4.0	ug/L
1,1-Dichloroethane	ND	2.0	ug/L
1,2-Dichloroethane	ND	2.0	ug/L
1,1-Dichloroethene	ND	2.0	ug/L
cis-1,2-Dichloroethene	11	2.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	2.0	ug/L
1,3-Dichloropropane	ND	2.0	ug/L
2,2-Dichloropropane	ND	10	ug/L
1,1-Dichloropropene	ND	2.0	ug/L
Ethylbenzene	ND	2.0	ug/L
Trichlorofluoromethane	ND	4.0	ug/L
Hexachlorobutadiene	ND	2.0	ug/L
Isopropylbenzene	ND	2.0	ug/L
p-Isopropyltoluene	ND	2.0	ug/L
Methylene chloride	ND	2.0	ug/L
Naphthalene	ND	2.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: SK-4D

GC/MS Volatiles

Lot-Sample #....: D1K130267-008 Work Order #....: ENV3N1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	2.0	ug/L
Styrene	ND	2.0	ug/L
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L
Tetrachloroethene	3.5	2.0	ug/L
Toluene	ND	2.0	ug/L
1,2,3-Trichlorobenzene	ND	2.0	ug/L
1,2,4-Trichloro- benzene	ND	2.0	ug/L
1,1,1-Trichloroethane	ND	2.0	ug/L
1,1,2-Trichloroethane	ND	2.0	ug/L
Trichloroethene	63	2.0	ug/L
1,2,3-Trichloropropane	ND	2.0	ug/L
1,2,4-Trimethylbenzene	ND	2.0	ug/L
1,3,5-Trimethylbenzene	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
o-Xylene	ND	2.0	ug/L
m-Xylene & p-Xylene	ND	4.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	4.0	ug/L
1,2-Dibromoethane (EDB)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(80 - 120)
1,2-Dichloroethane-d4	114	(72 - 127)
4-Bromofluorobenzene	102	(79 - 119)
Toluene-d8	115	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: SK-5S

GC/MS Volatiles

Lot-Sample #....: D1K130267-009 Work Order #....: ENV3P1AC Matrix.....: WATER
 Date Sampled....: 11/11/01 12:05 Date Received...: 11/13/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324409 Analysis Time...: 16:56
 Dilution Factor: 4
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	4.0	ug/L
Bromobenzene	ND	4.0	ug/L
Bromochloromethane	ND	4.0	ug/L
Bromodichloromethane	ND	4.0	ug/L
Bromoform	ND	4.0	ug/L
Bromomethane	ND	8.0	ug/L
n-Butylbenzene	ND	4.0	ug/L
sec-Butylbenzene	ND	4.0	ug/L
tert-Butylbenzene	ND	4.0	ug/L
Carbon tetrachloride	ND	4.0	ug/L
Chlorobenzene	ND	4.0	ug/L
Chlorodibromomethane	ND	4.0	ug/L
Chloroethane	ND	8.0	ug/L
Chloroform	ND	4.0	ug/L
Chloromethane	ND	8.0	ug/L
2-Chlorotoluene	ND	4.0	ug/L
4-Chlorotoluene	ND	4.0	ug/L
Dibromomethane	ND	4.0	ug/L
1,2-Dichlorobenzene	ND	4.0	ug/L
1,3-Dichlorobenzene	ND	4.0	ug/L
1,4-Dichlorobenzene	ND	4.0	ug/L
Dichlorodifluoromethane	ND	8.0	ug/L
1,1-Dichloroethane	10	4.0	ug/L
1,2-Dichloroethane	ND	4.0	ug/L
1,1-Dichloroethene	ND	4.0	ug/L
cis-1,2-Dichloroethene	120	4.0	ug/L
trans-1,2-Dichloroethene	ND	2.0	ug/L
1,2-Dichloropropane	ND	4.0	ug/L
1,3-Dichloropropane	ND	4.0	ug/L
2,2-Dichloropropane	ND	20	ug/L
1,1-Dichloropropene	ND	4.0	ug/L
Ethylbenzene	ND	4.0	ug/L
Trichlorofluoromethane	ND	8.0	ug/L
Hexachlorobutadiene	ND	4.0	ug/L
Isopropylbenzene	ND	4.0	ug/L
p-Isopropyltoluene	ND	4.0	ug/L
Methylene chloride	ND	4.0	ug/L
Naphthalene	ND	4.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: SK-5S

GC/MS Volatiles

Lot-Sample #....: D1K130267-009 Work Order #....: ENV3P1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	4.0	ug/L
Styrene	ND	4.0	ug/L
1,1,1,2-Tetrachloroethane	ND	4.0	ug/L
1,1,2,2-Tetrachloroethane	ND	4.0	ug/L
Tetrachloroethene	230	4.0	ug/L
Toluene	ND	4.0	ug/L
1,2,3-Trichlorobenzene	ND	4.0	ug/L
1,2,4-Trichloro- benzene	ND	4.0	ug/L
1,1,1-Trichloroethane	24	4.0	ug/L
1,1,2-Trichloroethane	ND	4.0	ug/L
Trichloroethene	90	4.0	ug/L
1,2,3-Trichloropropane	ND	4.0	ug/L
1,2,4-Trimethylbenzene	ND	4.0	ug/L
1,3,5-Trimethylbenzene	ND	4.0	ug/L
Vinyl chloride	ND	4.0	ug/L
o-Xylene	ND	4.0	ug/L
m-Xylene & p-Xylene	ND	8.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	8.0	ug/L
1,2-Dibromoethane (EDB)	ND	4.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(80 - 120)
1,2-Dichloroethane-d4	108	(72 - 127)
4-Bromofluorobenzene	88	(79 - 119)
Toluene-d8	108	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: SK-5D

GC/MS Volatiles

Lot-Sample #....: D1K130267-010 Work Order #....: ENV3V1AC Matrix.....: WATER
 Date Sampled....: 11/11/01 12:35 Date Received...: 11/13/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325275 Analysis Time...: 11:55
 Dilution Factor: 4
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	4.0	ug/L
Bromobenzene	ND	4.0	ug/L
Bromochloromethane	ND	4.0	ug/L
Bromodichloromethane	ND	4.0	ug/L
Bromoform	ND	4.0	ug/L
Bromomethane	ND	8.0	ug/L
n-Butylbenzene	ND	4.0	ug/L
sec-Butylbenzene	ND	4.0	ug/L
tert-Butylbenzene	ND	4.0	ug/L
Carbon tetrachloride	ND	4.0	ug/L
Chlorobenzene	ND	4.0	ug/L
Chlorodibromomethane	ND	4.0	ug/L
Chloroethane	ND	8.0	ug/L
Chloroform	ND	4.0	ug/L
Chloromethane	ND	8.0	ug/L
2-Chlorotoluene	ND	4.0	ug/L
4-Chlorotoluene	ND	4.0	ug/L
Dibromomethane	ND	4.0	ug/L
1,2-Dichlorobenzene	ND	4.0	ug/L
1,3-Dichlorobenzene	ND	4.0	ug/L
1,4-Dichlorobenzene	ND	4.0	ug/L
Dichlorodifluoromethane	ND	8.0	ug/L
1,1-Dichloroethane	ND	4.0	ug/L
1,2-Dichloroethane	ND	4.0	ug/L
1,1-Dichloroethene	ND	4.0	ug/L
cis-1,2-Dichloroethene	20	4.0	ug/L
trans-1,2-Dichloroethene	ND	2.0	ug/L
1,2-Dichloropropane	ND	4.0	ug/L
1,3-Dichloropropane	ND	4.0	ug/L
2,2-Dichloropropane	ND	20	ug/L
1,1-Dichloropropene	ND	4.0	ug/L
Ethylbenzene	ND	4.0	ug/L
Trichlorofluoromethane	ND	8.0	ug/L
Hexachlorobutadiene	ND	4.0	ug/L
Isopropylbenzene	ND	4.0	ug/L
p-Isopropyltoluene	ND	4.0	ug/L
Methylene chloride	ND	4.0	ug/L
Naphthalene	ND	4.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: SK-5D

GC/MS Volatiles

Lot-Sample #....: D1K130267-010 Work Order #....: ENV3V1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
n-Propylbenzene	ND	4.0	ug/L
Styrene	ND	4.0	ug/L
1,1,1,2-Tetrachloroethane	ND	4.0	ug/L
1,1,2,2-Tetrachloroethane	ND	4.0	ug/L
Tetrachloroethene	ND	4.0	ug/L
Toluene	ND	4.0	ug/L
1,2,3-Trichlorobenzene	ND	4.0	ug/L
1,2,4-Trichloro- benzene	ND	4.0	ug/L
1,1,1-Trichloroethane	ND	4.0	ug/L
1,1,2-Trichloroethane	ND	4.0	ug/L
Trichloroethene	120	4.0	ug/L
1,2,3-Trichloropropane	ND	4.0	ug/L
1,2,4-Trimethylbenzene	ND	4.0	ug/L
1,3,5-Trimethylbenzene	ND	4.0	ug/L
Vinyl chloride	ND	4.0	ug/L
o-Xylene	ND	4.0	ug/L
m-Xylene & p-Xylene	ND	8.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	8.0	ug/L
1,2-Dibromoethane (EDB)	ND	4.0	ug/L

SURROGATE	PERCENT		RECOVERY	
	RECOVERY		LIMITS	
Dibromofluoromethane	103		(80 - 120)	
1,2-Dichloroethane-d4	101		(72 - 127)	
4-Bromofluorobenzene	91		(79 - 119)	
Toluene-d8	114		(79 - 119)	

CAMERON-COLE LLC

Client Sample ID: SK-6S

GC/MS Volatiles

Lot-Sample #....: D1K130267-011 Work Order #....: ENV3W1AC Matrix.....: WATER
 Date Sampled....: 11/11/01 07:15 Date Received...: 11/13/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324409 Analysis Time...: 17:46
 Dilution Factor: 1
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	2.8	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: SK-6S

GC/MS Volatiles

Lot-Sample #....: D1K130267-011 Work Order #....: ENV3W1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	2.0	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L

SURROGATE	PERCENT	
	RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(80 - 120)
1,2-Dichloroethane-d4	102	(72 - 127)
4-Bromofluorobenzene	95	(79 - 119)
Toluene-d8	108	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: SK-10S

GC/MS Volatiles

Lot-Sample #....: D1K130267-012 Work Order #....: ENV3X1AC Matrix.....: WATER
 Date Sampled....: 11/11/01 14:15 Date Received...: 11/13/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324409 Analysis Time...: 18:12
 Dilution Factor: 4
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	4.0	ug/L
Bromobenzene	ND	4.0	ug/L
Bromochloromethane	ND	4.0	ug/L
Bromodichloromethane	ND	4.0	ug/L
Bromoform	ND	4.0	ug/L
Bromomethane	ND	8.0	ug/L
n-Butylbenzene	ND	4.0	ug/L
sec-Butylbenzene	ND	4.0	ug/L
tert-Butylbenzene	ND	4.0	ug/L
Carbon tetrachloride	ND	4.0	ug/L
Chlorobenzene	ND	4.0	ug/L
Chlorodibromomethane	ND	4.0	ug/L
Chloroethane	ND	8.0	ug/L
Chloroform	ND	4.0	ug/L
Chloromethane	ND	8.0	ug/L
2-Chlorotoluene	ND	4.0	ug/L
4-Chlorotoluene	ND	4.0	ug/L
Dibromomethane	ND	4.0	ug/L
1,2-Dichlorobenzene	ND	4.0	ug/L
1,3-Dichlorobenzene	ND	4.0	ug/L
1,4-Dichlorobenzene	ND	4.0	ug/L
Dichlorodifluoromethane	ND	8.0	ug/L
1,1-Dichloroethane	11	4.0	ug/L
1,2-Dichloroethane	ND	4.0	ug/L
1,1-Dichloroethene	ND	4.0	ug/L
cis-1,2-Dichloroethene	110	4.0	ug/L
trans-1,2-Dichloroethene	ND	2.0	ug/L
1,2-Dichloropropane	ND	4.0	ug/L
1,3-Dichloropropane	ND	4.0	ug/L
2,2-Dichloropropane	ND	20	ug/L
1,1-Dichloropropene	ND	4.0	ug/L
Ethylbenzene	ND	4.0	ug/L
Trichlorofluoromethane	ND	8.0	ug/L
Hexachlorobutadiene	ND	4.0	ug/L
Isopropylbenzene	ND	4.0	ug/L
p-Isopropyltoluene	ND	4.0	ug/L
Methylene chloride	ND	4.0	ug/L
Naphthalene	ND	4.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: SK-10S

GC/MS Volatiles

Lot-Sample #....: D1K130267-012 Work Order #....: ENV3X1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	4.0	ug/L
Styrene	ND	4.0	ug/L
1,1,1,2-Tetrachloroethane	ND	4.0	ug/L
1,1,2,2-Tetrachloroethane	ND	4.0	ug/L
Tetrachloroethene	56	4.0	ug/L
Toluene	ND	4.0	ug/L
1,2,3-Trichlorobenzene	ND	4.0	ug/L
1,2,4-Trichloro- benzene	ND	4.0	ug/L
1,1,1-Trichloroethane	ND	4.0	ug/L
1,1,2-Trichloroethane	ND	4.0	ug/L
Trichloroethene	9.7	4.0	ug/L
1,2,3-Trichloropropane	ND	4.0	ug/L
1,2,4-Trimethylbenzene	ND	4.0	ug/L
1,3,5-Trimethylbenzene	ND	4.0	ug/L
Vinyl chloride	51	4.0	ug/L
o-Xylene	ND	4.0	ug/L
m-Xylene & p-Xylene	ND	8.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	8.0	ug/L
1,2-Dibromoethane (EDB)	ND	4.0	ug/L
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	
Dibromofluoromethane	105	(80 - 120)	
1,2-Dichloroethane-d4	101	(72 - 127)	
4-Bromofluorobenzene	98	(79 - 119)	
Toluene-d8	114	(79 - 119)	

CAMERON-COLE LLC

Client Sample ID: SK-25D

GC/MS Volatiles

Lot-Sample #....: D1K130267-013 Work Order #....: ENV311AC Matrix.....: WATER
 Date Sampled....: 11/11/01 13:00 Date Received...: 11/13/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324409 Analysis Time...: 18:37
 Dilution Factor: 1
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: SK-25D

GC/MS Volatiles

Lot-Sample #....: D1K130267-013 Work Order #....: ENV311AC Matrix.....: WATER

		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Dibromofluoromethane	106	(80 - 120)	
1,2-Dichloroethane-d4	102	(72 - 127)	
4-Bromofluorobenzene	101	(79 - 119)	
Toluene-d8	109	(79 - 119)	

CAMERON-COLE LLC

Client Sample ID: SK-26S

GC/MS Volatiles

Lot-Sample #....: D1K130267-014 Work Order #....: ENV341AC Matrix.....: WATER
 Date Sampled....: 11/11/01 13:30 Date Received...: 11/13/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324409 Analysis Time...: 19:03
 Dilution Factor: 4
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	4.0	ug/L
Bromobenzene	ND	4.0	ug/L
Bromochloromethane	ND	4.0	ug/L
Bromodichloromethane	ND	4.0	ug/L
Bromoform	ND	4.0	ug/L
Bromomethane	ND	8.0	ug/L
n-Butylbenzene	ND	4.0	ug/L
sec-Butylbenzene	ND	4.0	ug/L
tert-Butylbenzene	ND	4.0	ug/L
Carbon tetrachloride	ND	4.0	ug/L
Chlorobenzene	ND	4.0	ug/L
Chlorodibromomethane	ND	4.0	ug/L
Chloroethane	ND	8.0	ug/L
Chloroform	ND	4.0	ug/L
Chloromethane	ND	8.0	ug/L
2-Chlorotoluene	ND	4.0	ug/L
4-Chlorotoluene	ND	4.0	ug/L
Dibromomethane	ND	4.0	ug/L
1,2-Dichlorobenzene	ND	4.0	ug/L
1,3-Dichlorobenzene	ND	4.0	ug/L
1,4-Dichlorobenzene	ND	4.0	ug/L
Dichlorodifluoromethane	ND	8.0	ug/L
1,1-Dichloroethane	14	4.0	ug/L
1,2-Dichloroethane	ND	4.0	ug/L
1,1-Dichloroethene	ND	4.0	ug/L
cis-1,2-Dichloroethene	140	4.0	ug/L
trans-1,2-Dichloroethene	ND	2.0	ug/L
1,2-Dichloropropane	ND	4.0	ug/L
1,3-Dichloropropane	ND	4.0	ug/L
2,2-Dichloropropane	ND	20	ug/L
1,1-Dichloropropene	ND	4.0	ug/L
Ethylbenzene	ND	4.0	ug/L
Trichlorofluoromethane	ND	8.0	ug/L
Hexachlorobutadiene	ND	4.0	ug/L
Isopropylbenzene	ND	4.0	ug/L
p-Isopropyltoluene	ND	4.0	ug/L
Methylene chloride	ND	4.0	ug/L
Naphthalene	ND	4.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: SK-26S

GC/MS Volatiles

Lot-Sample #...: D1K130267-014 Work Order #....: ENV341AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	4.0	ug/L
Styrene	ND	4.0	ug/L
1,1,1,2-Tetrachloroethane	ND	4.0	ug/L
1,1,2,2-Tetrachloroethane	ND	4.0	ug/L
Tetrachloroethene	67	4.0	ug/L
Toluene	ND	4.0	ug/L
1,2,3-Trichlorobenzene	ND	4.0	ug/L
1,2,4-Trichloro- benzene	ND	4.0	ug/L
1,1,1-Trichloroethane	ND	4.0	ug/L
1,1,2-Trichloroethane	ND	4.0	ug/L
Trichloroethene	12	4.0	ug/L
1,2,3-Trichloropropane	ND	4.0	ug/L
1,2,4-Trimethylbenzene	ND	4.0	ug/L
1,3,5-Trimethylbenzene	ND	4.0	ug/L
Vinyl chloride	59	4.0	ug/L
o-Xylene	ND	4.0	ug/L
m-Xylene & p-Xylene	ND	8.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	8.0	ug/L
1,2-Dibromoethane (EDB)	ND	4.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(80 - 120)
1,2-Dichloroethane-d4	106	(72 - 127)
4-Bromofluorobenzene	99	(79 - 119)
Toluene-d8	115	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: SK-27S

GC/MS Volatiles

Lot-Sample #....: D1K130267-015 Work Order #....: ENV371AC Matrix.....: WATER
 Date Sampled....: 11/11/01 14:00 Date Received...: 11/13/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324409 Analysis Time...: 19:29
 Dilution Factor: 5
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.0	ug/L
Bromobenzene	ND	5.0	ug/L
Bromochloromethane	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
Bromomethane	ND	10	ug/L
n-Butylbenzene	ND	5.0	ug/L
sec-Butylbenzene	ND	5.0	ug/L
tert-Butylbenzene	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Chlorodibromomethane	ND	5.0	ug/L
Chloroethane	ND	10	ug/L
Chloroform	ND	5.0	ug/L
Chloromethane	ND	10	ug/L
2-Chlorotoluene	ND	5.0	ug/L
4-Chlorotoluene	ND	5.0	ug/L
Dibromomethane	ND	5.0	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L
Dichlorodifluoromethane	ND	10	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
1,1-Dichloroethene	ND	5.0	ug/L
cis-1,2-Dichloroethene	7.1	5.0	ug/L
trans-1,2-Dichloroethene	ND	2.5	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
1,3-Dichloropropane	ND	5.0	ug/L
2,2-Dichloropropane	ND	25	ug/L
1,1-Dichloropropene	ND	5.0	ug/L
Ethylbenzene	32	5.0	ug/L
Trichlorofluoromethane	ND	10	ug/L
Hexachlorobutadiene	ND	5.0	ug/L
Isopropylbenzene	ND	5.0	ug/L
p-Isopropyltoluene	ND	5.0	ug/L
Methylene chloride	ND	5.0	ug/L
Naphthalene	ND	5.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: SK-27S

GC/MS Volatiles

Lot-Sample #....: D1K130267-015 Work Order #....: ENV371AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	6.2	5.0	ug/L
Styrene	ND	5.0	ug/L
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Tetrachloroethene	9.2	5.0	ug/L
Toluene	93	5.0	ug/L
1,2,3-Trichlorobenzene	ND	5.0	ug/L
1,2,4-Trichloro- benzene	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Trichloroethene	35	5.0	ug/L
1,2,3-Trichloropropane	ND	5.0	ug/L
1,2,4-Trimethylbenzene	57	5.0	ug/L
1,3,5-Trimethylbenzene	14	5.0	ug/L
Vinyl chloride	ND	5.0	ug/L
o-Xylene	44	5.0	ug/L
m-Xylene & p-Xylene	120	10	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	10	ug/L
1,2-Dibromoethane (EDB)	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(80 - 120)
1,2-Dichloroethane-d4	111	(72 - 127)
4-Bromofluorobenzene	95	(79 - 119)
Toluene-d8	111	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: TB-04

GC/MS Volatiles

Lot-Sample #....: D1K130267-016 Work Order #....: ENV391AA Matrix.....: WATER
 Date Sampled....: 11/11/01 Date Received...: 11/13/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324409 Analysis Time...: 19:55
 Dilution Factor: 1
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: TB-04

GC/MS Volatiles

Lot-Sample #....: D1K130267-016 Work Order #....: ENV391AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L

SURROGATE	PERCENT	
	RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(80 - 120)
1,2-Dichloroethane-d4	114	(72 - 127)
4-Bromofluorobenzene	100	(79 - 119)
Toluene-d8	111	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: TB-05

GC/MS Volatiles

Lot-Sample #....: D1K130267-017 Work Order #....: ENV4C1AA Matrix.....: WATER
Date Sampled....: 11/11/01 Date Received...: 11/13/01
Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
Prep Batch #....: 1324409 Analysis Time...: 20:21
Dilution Factor: 1
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: TB-05

GC/MS Volatiles

Lot-Sample #....: D1K130267-017 Work Order #....: ENV4C1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(80 - 120)
1,2-Dichloroethane-d4	115	(72 - 127)
4-Bromofluorobenzene	97	(79 - 119)
Toluene-d8	112	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: SK-28S

GC/MS Volatiles

Lot-Sample #....: D1K130267-018 Work Order #....: ENV4G1AC Matrix.....: WATER
 Date Sampled....: 11/11/01 14:30 Date Received...: 11/13/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324409 Analysis Time...: 20:47
 Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	5.4	1.0	ug/L
sec-Butylbenzene	2.4	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	1.5	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	1.9	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	5.9	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: SK-28S

GC/MS Volatiles

Lot-Sample #...: D1K130267-018 Work Order #...: ENV4G1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	2.7	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(80 - 120)
1,2-Dichloroethane-d4	118	(72 - 127)
4-Bromofluorobenzene	92	(79 - 119)
Toluene-d8	109	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: SK-1S

GC Volatiles

Lot-Sample #....: D1K130267-001 Work Order #....: ENV291AC Matrix.....: WATER
Date Sampled....: 11/11/01 08:15 Date Received...: 11/13/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332454 Analysis Time...: 03:10
Dilution Factor: 1
Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	0.70	0.50	ug/L

CAMERON-COLE LLC

Client Sample ID: SK-1D

GC Volatiles

Lot-Sample #....: D1K130267-002 Work Order #....: ENV3E1AD Matrix.....: WATER
Date Sampled...: 11/11/01 07:45 Date Received...: 11/13/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332454 Analysis Time...: 03:12
Dilution Factor: 1
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	0.92	0.50	ug/L

CAMERON-COLE LLC

Client Sample ID: SK-2S

GC Volatiles

Lot-Sample #....: D1K130267-003 Work Order #....: ENV3F1AD Matrix.....: WATER
Date Sampled....: 11/11/01 11:00 Date Received...: 11/13/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332454 Analysis Time...: 03:15
Dilution Factor: 1

Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	160 E	0.50	ug/L

NOTE(S) :

E Estimated result. Result concentration exceeds the calibration range.

CAMERON-COLE LLC

Client Sample ID: SK-3S

GC Volatiles

Lot-Sample #....: D1K130267-005 Work Order #....: ENV3H1AD Matrix.....: WATER
Date Sampled....: 11/11/01 10:05 Date Received...: 11/13/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332454 Analysis Time...: 03:30
Dilution Factor: 1
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	7.4	0.50	ug/L

CAMERON-COLE LLC

Client Sample ID: SK-2S

GC Volatiles

Lot-Sample #....: D1K130267-003 Work Order #....: ENV3F2AD Matrix.....: WATER
Date Sampled....: 11/11/01 11:00 Date Received...: 11/13/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332454 Analysis Time...: 03:21
Dilution Factor: 3
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Ethane	ND	1.5	ug/L
Ethene	ND	1.5	ug/L
Methane	160 D	1.5	ug/L

NOTE(S) :

D Result was obtained from the analysis of a dilution.

CAMERON-COLE LLC

Client Sample ID: SK-2D

GC Volatiles

Lot-Sample #....: D1K130267-004 Work Order #....: ENV3G1AD Matrix.....: WATER
Date Sampled....: 11/11/01 11:30 Date Received...: 11/13/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332454 Analysis Time...: 03:27
Dilution Factor: 1

Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	1.7	0.50	ug/L

CAMERON-COLE LLC

Client Sample ID: SK-3D

GC Volatiles

Lot-Sample #....: D1K130267-006 Work Order #....: ENV3L1AD Matrix.....: WATER
Date Sampled....: 11/11/01 10:35 Date Received...: 11/13/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332454 Analysis Time...: 03:33
Dilution Factor: 1
Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	0.88	0.50	ug/L

CAMERON-COLE LLC

Client Sample ID: SK-4S

GC Volatiles

Lot-Sample #....: D1K130267-007 Work Order #....: ENV3M1AD Matrix.....: WATER
 Date Sampled....: 11/11/01 09:40 Date Received...: 11/13/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1332454 Analysis Time...: 03:35
 Dilution Factor: 1
 Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	4.3	0.50	ug/L

CAMERON-COLE LLC

Client Sample ID: SK-4D

GC Volatiles

Lot-Sample #....: D1K130267-008 Work Order #....: ENV3N1AD Matrix.....: WATER
Date Sampled....: 11/11/01 15:15 Date Received...: 11/13/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332454 Analysis Time...: 03:38
Dilution Factor: 1

Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	1.9	0.50	ug/L

CAMERON-COLE LLC

Client Sample ID: SK-5S

GC Volatiles

Lot-Sample #....: D1K130267-009 Work Order #....: ENV3P1AD Matrix.....: WATER
Date Sampled....: 11/11/01 12:05 Date Received...: 11/13/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332454 Analysis Time...: 03:41
Dilution Factor: 1

Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	110 E	0.50	ug/L

NOTE(S) :

E Estimated result. Result concentration exceeds the calibration range.

CAMERON-COLE LLC

Client Sample ID: SK-5S

GC Volatiles

Lot-Sample #....: D1K130267-009 Work Order #....: ENV3P2AD Matrix.....: WATER
Date Sampled....: 11/11/01 12:05 Date Received...: 11/13/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332454 Analysis Time...: 03:47
Dilution Factor: 2
Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	1.0	ug/L
Ethene	ND	1.0	ug/L
Methane	110 D	1.0	ug/L

NOTE(S):

D Result was obtained from the analysis of a dilution.

CAMERON-COLE LLC

Client Sample ID: SK-5D

GC Volatiles

Lot-Sample #...: D1K130267-010 Work Order #...: ENV3V1AD Matrix.....: WATER
Date Sampled...: 11/11/01 12:35 Date Received...: 11/13/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #...: 1332454 Analysis Time...: 03:53
Dilution Factor: 1
Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	1.2	0.50	ug/L

CAMERON-COLE LLC

Client Sample ID: SK-6S

GC Volatiles

Lot-Sample #....: D1K130267-011 Work Order #....: ENV3W1AD Matrix.....: WATER
Date Sampled....: 11/11/01 07:15 Date Received...: 11/13/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332454 Analysis Time...: 03:56
Dilution Factor: 1

Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	73	0.50	ug/L

CAMERON-COLE LLC

Client Sample ID: SK-10S

GC Volatiles

Lot-Sample #....: D1K130267-012 Work Order #....: ENV3X1AD Matrix.....: WATER
Date Sampled....: 11/11/01 14:15 Date Received...: 11/13/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332454 Analysis Time...: 04:02
Dilution Factor: 1
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Ethane	2.2	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	27	0.50	ug/L

CAMERON-COLE LLC

Client Sample ID: SK-25D

GC Volatiles

Lot-Sample #....: D1K130267-013 Work Order #....: ENV311AD Matrix.....: WATER
Date Sampled....: 11/11/01 13:00 Date Received...: 11/13/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332454 Analysis Time...: 04:09
Dilution Factor: 1
Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	0.98	0.50	ug/L

CAMERON-COLE LLC

Client Sample ID: SK-26S

GC Volatiles

Lot-Sample #....: D1K130267-014 Work Order #....: ENV341AD Matrix.....: WATER
Date Sampled....: 11/11/01 13:30 Date Received...: 11/13/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332454 Analysis Time...: 04:11
Dilution Factor: 1
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Ethane	2.3	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	27	0.50	ug/L

CAMERON-COLE LLC

Client Sample ID: SK-27S

GC Volatiles

Lot-Sample #....: D1K130267-015 Work Order #....: ENV371AD Matrix.....: WATER
Date Sampled....: 11/11/01 14:00 Date Received...: 11/13/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332454 Analysis Time...: 04:15
Dilution Factor: 1
Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	9.9	0.50	ug/L

CAMERON-COLE LLC

Client Sample ID: SK-28S

GC Volatiles

Lot-Sample #....: D1K130267-018 Work Order #....: ENV4G1AD Matrix.....: WATER
Date Sampled....: 11/11/01 14:30 Date Received...: 11/13/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332454 Analysis Time...: 04:25
Dilution Factor: 1
Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	620 E	0.50	ug/L

NOTE(S) :

E Estimated result. Result concentration exceeds the calibration range.

CAMERON-COLE LLC

Client Sample ID: SK-28S

GC Volatiles

Lot-Sample #....: D1K130267-018 Work Order #....: ENV4G2AD Matrix.....: WATER
Date Sampled....: 11/11/01 14:30 Date Received...: 11/13/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332454 Analysis Time...: 04:45
Dilution Factor: 50
Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	25	ug/L
Ethene	ND	25	ug/L
Methane	1900 D	25	ug/L

NOTE(S) :

D Result was obtained from the analysis of a dilution.

CAMERON-COLE LLC

Client Sample ID: SK-1S

TOTAL Metals

Lot-Sample #....: D1K130267-001

Matrix.....: WATER

Date Sampled...: 11/11/01 08:15 Date Received...: 11/13/01

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #....: 1319495						
Iron	56.6	0.10	mg/L	SW846 6010B	11/20/01	ENV291AD
		Dilution Factor: 1		Analysis Time...: 23:41		
Manganese	0.54	0.010	mg/L	SW846 6010B	11/20/01	ENV291AE
		Dilution Factor: 1		Analysis Time...: 23:41		

CAMERON-COLE LLC

Client Sample ID: SK-1S

DISSOLVED Metals

Lot-Sample #...: D1K130267-001

Matrix.....: WATER

Date Sampled...: 11/11/01 08:15 Date Received...: 11/13/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1319417						
Calcium	131	0.20	mg/L	SW846 6010B	11/20/01	ENV291AG
		Dilution Factor: 1		Analysis Time...: 21:58		
Iron	ND	0.10	mg/L	SW846 6010B	11/20/01	ENV291AH
		Dilution Factor: 1		Analysis Time...: 21:58		
Potassium	ND	3.0	mg/L	SW846 6010B	11/20/01	ENV291AL
		Dilution Factor: 1		Analysis Time...: 21:58		
Magnesium	50.0	0.20	mg/L	SW846 6010B	11/20/01	ENV291AJ
		Dilution Factor: 1		Analysis Time...: 21:58		
Manganese	0.020	0.010	mg/L	SW846 6010B	11/20/01	ENV291AK
		Dilution Factor: 1		Analysis Time...: 21:58		
Sodium	43.7	5.0	mg/L	SW846 6010B	11/20/01	ENV291AF
		Dilution Factor: 1		Analysis Time...: 21:58		

CAMERON-COLE LLC

Client Sample ID: SK-1D

TOTAL Metals

Lot-Sample #...: D1K130267-002

Matrix.....: WATER

Date Sampled...: 11/11/01 07:45 Date Received...: 11/13/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1319495						
Iron	0.35	0.10	mg/L	SW846 6010B	11/20/01	ENV3E1AE
		Dilution Factor: 1		Analysis Time...: 23:56		
Manganese	0.069	0.010	mg/L	SW846 6010B	11/20/01	ENV3E1AF
		Dilution Factor: 1		Analysis Time...: 23:56		

CAMERON-COLE LLC

Client Sample ID: SK-1D

DISSOLVED Metals

Lot-Sample #...: D1K130267-002

Matrix.....: WATER

Date Sampled...: 11/11/01 07:45 Date Received...: 11/13/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1319417						
Calcium	164	0.20	mg/L	SW846 6010B	11/20/01	ENV3E1AH
		Dilution Factor: 1		Analysis Time...: 22:13		
Iron	ND	0.10	mg/L	SW846 6010B	11/20/01	ENV3E1AJ
		Dilution Factor: 1		Analysis Time...: 22:13		
Potassium	ND	3.0	mg/L	SW846 6010B	11/20/01	ENV3E1AM
		Dilution Factor: 1		Analysis Time...: 22:13		
Magnesium	62.9	0.20	mg/L	SW846 6010B	11/20/01	ENV3E1AK
		Dilution Factor: 1		Analysis Time...: 22:13		
Manganese	0.056	0.010	mg/L	SW846 6010B	11/20/01	ENV3E1AL
		Dilution Factor: 1		Analysis Time...: 22:13		
Sodium	44.9	5.0	mg/L	SW846 6010B	11/20/01	ENV3E1AG
		Dilution Factor: 1		Analysis Time...: 22:13		

CAMERON-COLE LLC

Client Sample ID: SK-2S

TOTAL Metals

Lot-Sample #...: D1K130267-003

Matrix.....: WATER

Date Sampled...: 11/11/01 11:00 Date Received...: 11/13/01

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 1319495						
Iron	385	0.10	mg/L	SW846 6010B	11/20-11/21/01	ENV3F1AE
		Dilution Factor: 1		Analysis Time...: 00:00		
Manganese	10.5	0.010	mg/L	SW846 6010B	11/20-11/21/01	ENV3F1AF
		Dilution Factor: 1		Analysis Time...: 00:00		

CAMERON-COLE LLC

Client Sample ID: SK-2S

DISSOLVED Metals

Lot-Sample #...: D1K130267-003

Matrix.....: WATER

Date Sampled...: 11/11/01 11:00 Date Received...: 11/13/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1319417						
Calcium	134	0.20	mg/L	SW846 6010B	11/20/01	ENV3F1AH
		Dilution Factor: 1		Analysis Time...: 22:17		
Iron	0.13	0.10	mg/L	SW846 6010B	11/20/01	ENV3F1AJ
		Dilution Factor: 1		Analysis Time...: 22:17		
Potassium	3.3	3.0	mg/L	SW846 6010B	11/20/01	ENV3F1AM
		Dilution Factor: 1		Analysis Time...: 22:17		
Magnesium	35.7	0.20	mg/L	SW846 6010B	11/20/01	ENV3F1AK
		Dilution Factor: 1		Analysis Time...: 22:17		
Manganese	2.5	0.010	mg/L	SW846 6010B	11/20/01	ENV3F1AL
		Dilution Factor: 1		Analysis Time...: 22:17		
Sodium	72.2	5.0	mg/L	SW846 6010B	11/20/01	ENV3F1AG
		Dilution Factor: 1		Analysis Time...: 22:17		

CAMERON-COLE LLC

Client Sample ID: SK-2D

TOTAL Metals

Lot-Sample #...: D1K130267-004

Matrix.....: WATER

Date Sampled...: 11/11/01 11:30 Date Received...: 11/13/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1319495						
Iron	3.3	0.10	mg/L	SW846 6010B	11/20-11/21/01	ENV3G1AE
		Dilution Factor: 1		Analysis Time...: 00:04		
Manganese	0.87	0.010	mg/L	SW846 6010B	11/20-11/21/01	ENV3G1AF
		Dilution Factor: 1		Analysis Time...: 00:04		

CAMERON-COLE LLC

Client Sample ID: SK-2D

DISSOLVED Metals

Lot-Sample #....: D1K130267-004

Matrix.....: WATER

Date Sampled....: 11/11/01 11:30 Date Received...: 11/13/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1319417						
Calcium	141	0.20	mg/L	SW846 6010B	11/20/01	ENV3G1AH
		Dilution Factor: 1		Analysis Time...: 22:21		
Iron	ND	0.10	mg/L	SW846 6010B	11/20/01	ENV3G1AJ
		Dilution Factor: 1		Analysis Time...: 22:21		
Potassium	ND	3.0	mg/L	SW846 6010B	11/20/01	ENV3G1AM
		Dilution Factor: 1		Analysis Time...: 22:21		
Magnesium	56.8	0.20	mg/L	SW846 6010B	11/20/01	ENV3G1AK
		Dilution Factor: 1		Analysis Time...: 22:21		
Manganese	0.61	0.010	mg/L	SW846 6010B	11/20/01	ENV3G1AL
		Dilution Factor: 1		Analysis Time...: 22:21		
Sodium	50.1	5.0	mg/L	SW846 6010B	11/20/01	ENV3G1AG
		Dilution Factor: 1		Analysis Time...: 22:21		

CAMERON-COLE LLC

Client Sample ID: SK-3S

TOTAL Metals

Lot-Sample #....: D1K130267-005

Matrix.....: WATER

Date Sampled...: 11/11/01 10:05 Date Received...: 11/13/01

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #....: 1319495						
Iron	21.5	0.10	mg/L	SW846 6010B	11/20-11/21/01	ENV3H1AE
		Dilution Factor: 1		Analysis Time...: 00:08		
Manganese	1.1	0.010	mg/L	SW846 6010B	11/20-11/21/01	ENV3H1AF
		Dilution Factor: 1		Analysis Time...: 00:08		

CAMERON-COLE LLC

Client Sample ID: SK-3S

DISSOLVED Metals

Lot-Sample #....: D1K130267-005

Matrix.....: WATER

Date Sampled....: 11/11/01 10:05 Date Received...: 11/13/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1319417						
Calcium	102	0.20	mg/L	SW846 6010B	11/20/01	ENV3H1AH
		Dilution Factor: 1		Analysis Time...: 22:24		
Iron	ND	0.10	mg/L	SW846 6010B	11/20/01	ENV3H1AJ
		Dilution Factor: 1		Analysis Time...: 22:24		
Potassium	3.3	3.0	mg/L	SW846 6010B	11/20/01	ENV3H1AM
		Dilution Factor: 1		Analysis Time...: 22:24		
Magnesium	35.8	0.20	mg/L	SW846 6010B	11/20/01	ENV3H1AK
		Dilution Factor: 1		Analysis Time...: 22:24		
Manganese	0.94	0.010	mg/L	SW846 6010B	11/20/01	ENV3H1AL
		Dilution Factor: 1		Analysis Time...: 22:24		
Sodium	46.8	5.0	mg/L	SW846 6010B	11/20/01	ENV3H1AG
		Dilution Factor: 1		Analysis Time...: 22:24		

CAMERON-COLE LLC

Client Sample ID: SK-3D

TOTAL Metals

Lot-Sample #...: D1K130267-006

Matrix.....: WATER

Date Sampled...: 11/11/01 10:35 Date Received...: 11/13/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1319495						
Iron	11.3	0.10	mg/L	SW846 6010B	11/20-11/21/01	ENV3L1AE
		Dilution Factor: 1		Analysis Time...: 00:19		
Manganese	0.55	0.010	mg/L	SW846 6010B	11/20-11/21/01	ENV3L1AF
		Dilution Factor: 1		Analysis Time...: 00:19		

CAMERON-COLE LLC

Client Sample ID: SK-3D

DISSOLVED Metals

Lot-Sample #...: D1K130267-006

Matrix.....: WATER

Date Sampled...: 11/11/01 10:35 Date Received...: 11/13/01

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 1319417						
Calcium	106	0.20	mg/L	SW846 6010B	11/20/01	ENV3L1AH
		Dilution Factor: 1		Analysis Time...: 22:36		
Iron	ND	0.10	mg/L	SW846 6010B	11/20/01	ENV3L1AJ
		Dilution Factor: 1		Analysis Time...: 22:36		
Potassium	ND	3.0	mg/L	SW846 6010B	11/20/01	ENV3L1AM
		Dilution Factor: 1		Analysis Time...: 22:36		
Magnesium	40.5	0.20	mg/L	SW846 6010B	11/20/01	ENV3L1AK
		Dilution Factor: 1		Analysis Time...: 22:36		
Manganese	0.33	0.010	mg/L	SW846 6010B	11/20/01	ENV3L1AL
		Dilution Factor: 1		Analysis Time...: 22:36		
Sodium	44.6	5.0	mg/L	SW846 6010B	11/20/01	ENV3L1AG
		Dilution Factor: 1		Analysis Time...: 22:36		

CAMERON-COLE LLC

Client Sample ID: SK-4S

TOTAL Metals

Lot-Sample #....: D1K130267-007

Matrix.....: WATER

Date Sampled....: 11/11/01 09:40 Date Received...: 11/13/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1319495						
Iron	0.85	0.10	mg/L	SW846 6010B	11/20-11/21/01	ENV3M1AE
		Dilution Factor: 1		Analysis Time...: 00:23		
Manganese	1.9	0.010	mg/L	SW846 6010B	11/20-11/21/01	ENV3M1AF
		Dilution Factor: 1		Analysis Time...: 00:23		

CAMERON-COLE LLC

Client Sample ID: SK-4S

DISSOLVED Metals

Lot-Sample #...: D1K130267-007

Matrix.....: WATER

Date Sampled...: 11/11/01 09:40 Date Received...: 11/13/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1319417						
Calcium	138	0.20	mg/L	SW846 6010B	11/20/01	ENV3M1AH
		Dilution Factor: 1		Analysis Time...: 22:40		
Iron	ND	0.10	mg/L	SW846 6010B	11/20/01	ENV3M1AJ
		Dilution Factor: 1		Analysis Time...: 22:40		
Potassium	3.3	3.0	mg/L	SW846 6010B	11/20/01	ENV3M1AM
		Dilution Factor: 1		Analysis Time...: 22:40		
Magnesium	38.3	0.20	mg/L	SW846 6010B	11/20/01	ENV3M1AK
		Dilution Factor: 1		Analysis Time...: 22:40		
Manganese	1.8	0.010	mg/L	SW846 6010B	11/20/01	ENV3M1AL
		Dilution Factor: 1		Analysis Time...: 22:40		
Sodium	43.1	5.0	mg/L	SW846 6010B	11/20/01	ENV3M1AG
		Dilution Factor: 1		Analysis Time...: 22:40		

CAMERON-COLE LLC

Client Sample ID: SK-4D

TOTAL Metals

Lot-Sample #...: D1K130267-008

Matrix.....: WATER

Date Sampled...: 11/11/01 15:15 Date Received...: 11/13/01

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 1319495						
Iron	0.50	0.10	mg/L	SW846 6010B	11/20-11/21/01	ENV3N1AE
		Dilution Factor: 1		Analysis Time...: 00:27		
Manganese	1.5	0.010	mg/L	SW846 6010B	11/20-11/21/01	ENV3N1AF
		Dilution Factor: 1		Analysis Time...: 00:27		

CAMERON-COLE LLC

Client Sample ID: SK-4D

DISSOLVED Metals

Lot-Sample #....: D1K130267-008

Date Sampled....: 11/11/01.15:15 Date Received...: 11/13/01

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1319417						
Calcium	120	0.20	mg/L	SW846 6010B	11/20/01	ENV3N1AH
		Dilution Factor: 1		Analysis Time...: 22:44		
Iron	ND	0.10	mg/L	SW846 6010B	11/20/01	ENV3N1AJ
		Dilution Factor: 1		Analysis Time...: 22:44		
Potassium	3.0	3.0	mg/L	SW846 6010B	11/20/01	ENV3N1AM
		Dilution Factor: 1		Analysis Time...: 22:44		
Magnesium	45.7	0.20	mg/L	SW846 6010B	11/20/01	ENV3N1AK
		Dilution Factor: 1		Analysis Time...: 22:44		
Manganese	1.4	0.010	mg/L	SW846 6010B	11/20/01	ENV3N1AL
		Dilution Factor: 1		Analysis Time...: 22:44		
Sodium	50.0	5.0	mg/L	SW846 6010B	11/20/01	ENV3N1AG
		Dilution Factor: 1		Analysis Time...: 22:44		

CAMERON-COLE LLC

Client Sample ID: SK-5S

TOTAL Metals

Lot-Sample #...: D1K130267-009

Matrix.....: WATER

Date Sampled...: 11/11/01 12:05 Date Received...: 11/13/01

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 1319495						
Iron	35.6	0.10	mg/L	SW846 6010B	11/20-11/21/01	ENV3P1AE
		Dilution Factor: 1		Analysis Time...: 00:31		
Manganese	3.5	0.010	mg/L	SW846 6010B	11/20-11/21/01	ENV3P1AF
		Dilution Factor: 1		Analysis Time...: 00:31		

CAMERON-COLE LLC

Client Sample ID: SK-5S

DISSOLVED Metals

Lot-Sample #...: D1K130267-009

Matrix.....: WATER

Date Sampled...: 11/11/01 12:05 Date Received...: 11/13/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...	1319417					
Calcium	128	0.20	mg/L	SW846 6010B	11/20/01	ENV3P1AH
		Dilution Factor: 1		Analysis Time...: 22:47		
Iron	2.6	0.10	mg/L	SW846 6010B	11/20/01	ENV3P1AJ
		Dilution Factor: 1		Analysis Time...: 22:47		
Potassium	3.9	3.0	mg/L	SW846 6010B	11/20/01	ENV3P1AM
		Dilution Factor: 1		Analysis Time...: 22:47		
Magnesium	35.5	0.20	mg/L	SW846 6010B	11/20/01	ENV3P1AK
		Dilution Factor: 1		Analysis Time...: 22:47		
Manganese	2.6	0.010	mg/L	SW846 6010B	11/20/01	ENV3P1AL
		Dilution Factor: 1		Analysis Time...: 22:47		
Sodium	90.6	5.0	mg/L	SW846 6010B	11/20/01	ENV3P1AG
		Dilution Factor: 1		Analysis Time...: 22:47		

CAMERON-COLE LLC

Client Sample ID: SK-5D

TOTAL Metals

Lot-Sample #...: D1K130267-010

Matrix.....: WATER

Date Sampled...: 11/11/01 12:35 Date Received...: 11/13/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...	1319495					
Iron	1.8	0.10	mg/L	SW846 6010B	11/20-11/21/01	ENV3V1AE
		Dilution Factor: 1		Analysis Time...: 00:35		
Manganese	0.51	0.010	mg/L	SW846 6010B	11/20-11/21/01	ENV3V1AF
		Dilution Factor: 1		Analysis Time...: 00:35		

CAMERON-COLE LLC

Client Sample ID: SK-5D

DISSOLVED Metals

Lot-Sample #....: D1K130267-010

Matrix.....: WATER

Date Sampled....: 11/11/01 12:35 Date Received...: 11/13/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1319417						
Calcium	119	0.20	mg/L	SW846 6010B	11/20/01	ENV3V1AH
		Dilution Factor: 1		Analysis Time...: 22:51		
Iron	ND	0.10	mg/L	SW846 6010B	11/20/01	ENV3V1AJ
		Dilution Factor: 1		Analysis Time...: 22:51		
Potassium	ND	3.0	mg/L	SW846 6010B	11/20/01	ENV3V1AM
		Dilution Factor: 1		Analysis Time...: 22:51		
Magnesium	49.0	0.20	mg/L	SW846 6010B	11/20/01	ENV3V1AK
		Dilution Factor: 1		Analysis Time...: 22:51		
Manganese	0.42	0.010	mg/L	SW846 6010B	11/20/01	ENV3V1AL
		Dilution Factor: 1		Analysis Time...: 22:51		
Sodium	45.7	5.0	mg/L	SW846 6010B	11/20/01	ENV3V1AG
		Dilution Factor: 1		Analysis Time...: 22:51		

CAMERON-COLE LLC

Client Sample ID: SK-6S

TOTAL Metals

Lot-Sample #...: D1K130267-011

Matrix.....: WATER

Date Sampled...: 11/11/01 07:15 Date Received...: 11/13/01

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 1319495						
Iron	6.9	0.10	mg/L	SW846 6010B	11/20-11/21/01	ENV3W1AE
		Dilution Factor: 1		Analysis Time...: 00:38		
Manganese	2.8	0.010	mg/L	SW846 6010B	11/20-11/21/01	ENV3W1AF
		Dilution Factor: 1		Analysis Time...: 00:38		

CAMERON-COLE LLC

Client Sample ID: SK-6S

DISSOLVED Metals

Lot-Sample #....: D1K130267-011

Matrix.....: WATER

Date Sampled...: 11/11/01 07:15 Date Received...: 11/13/01

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #....: 1319417						
Calcium	99.8	0.20	mg/L	SW846 6010B	11/20/01	ENV3W1AH
		Dilution Factor: 1		Analysis Time...: 22:55		
Iron	ND	0.10	mg/L	SW846 6010B	11/20/01	ENV3W1AJ
		Dilution Factor: 1		Analysis Time...: 22:55		
Potassium	ND	3.0	mg/L	SW846 6010B	11/20/01	ENV3W1AM
		Dilution Factor: 1		Analysis Time...: 22:55		
Magnesium	36.3	0.20	mg/L	SW846 6010B	11/20/01	ENV3W1AK
		Dilution Factor: 1		Analysis Time...: 22:55		
Manganese	2.7	0.010	mg/L	SW846 6010B	11/20/01	ENV3W1AL
		Dilution Factor: 1		Analysis Time...: 22:55		
Sodium	82.2	5.0	mg/L	SW846 6010B	11/20/01	ENV3W1AG
		Dilution Factor: 1		Analysis Time...: 22:55		

CAMERON-COLE LLC

Client Sample ID: SK-10S

TOTAL Metals

Lot-Sample #...: D1K130267-012

Matrix.....: WATER

Date Sampled...: 11/11/01 14:15 Date Received...: 11/13/01

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 1319495						
Iron	259	0.10	mg/L	SW846 6010B	11/20-11/21/01	ENV3X1AE
		Dilution Factor: 1		Analysis Time...: 00:42		
Manganese	9.8	0.010	mg/L	SW846 6010B	11/20-11/21/01	ENV3X1AF
		Dilution Factor: 1		Analysis Time...: 00:42		

CAMERON-COLE LLC

Client Sample ID: SK-10S

DISSOLVED Metals

Lot-Sample #...: D1K130267-012

Matrix.....: WATER

Date Sampled...: 11/11/01 14:15 Date Received...: 11/13/01

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 1319417						
Calcium	92.8	0.20	mg/L	SW846 6010B	11/20/01	ENV3X1AH
		Dilution Factor: 1		Analysis Time...: 22:59		
Iron	ND	0.10	mg/L	SW846 6010B	11/20/01	ENV3X1AJ
		Dilution Factor: 1		Analysis Time...: 22:59		
Potassium	3.0	3.0	mg/L	SW846 6010B	11/20/01	ENV3X1AM
		Dilution Factor: 1		Analysis Time...: 22:59		
Magnesium	41.3	0.20	mg/L	SW846 6010B	11/20/01	ENV3X1AK
		Dilution Factor: 1		Analysis Time...: 22:59		
Manganese	2.6	0.010	mg/L	SW846 6010B	11/20/01	ENV3X1AL
		Dilution Factor: 1		Analysis Time...: 22:59		
Sodium	75.2	5.0	mg/L	SW846 6010B	11/20/01	ENV3X1AG
		Dilution Factor: 1		Analysis Time...: 22:59		

CAMERON-COLE, LLC

Client Sample ID: SK-25D

TOTAL Metals

Lot-Sample #...: D1K130267-013

Matrix.....: WATER

Date Sampled...: 11/11/01 13:00 Date Received...: 11/13/01

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 1319495						
Iron	0.46	0.10	mg/L	SW846 6010B	11/20-11/21/01	ENV311AE
		Dilution Factor: 1		Analysis Time...: 00:46		
Manganese	0.067	0.010	mg/L	SW846 6010B	11/20-11/21/01	ENV311AF
		Dilution Factor: 1		Analysis Time...: 00:46		

CAMERON-COLE LLC

Client Sample ID: SK-25D

DISSOLVED Metals

Lot-Sample #...: D1K130267-013

Matrix.....: WATER

Date Sampled...: 11/11/01 13:00 Date Received...: 11/13/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1319417						
Calcium	163	0.20	mg/L	SW846 6010B	11/20/01	ENV311AH
		Dilution Factor: 1		Analysis Time...: 23:03		
Iron	ND	0.10	mg/L	SW846 6010B	11/20/01	ENV311AJ
		Dilution Factor: 1		Analysis Time...: 23:03		
Potassium	ND	3.0	mg/L	SW846 6010B	11/20/01	ENV311AM
		Dilution Factor: 1		Analysis Time...: 23:03		
Magnesium	63.9	0.20	mg/L	SW846 6010B	11/20/01	ENV311AK
		Dilution Factor: 1		Analysis Time...: 23:03		
Manganese	0.055	0.010	mg/L	SW846 6010B	11/20/01	ENV311AL
		Dilution Factor: 1		Analysis Time...: 23:03		
Sodium	45.6	5.0	mg/L	SW846 6010B	11/20/01	ENV311AG
		Dilution Factor: 1		Analysis Time...: 23:03		

CAMERON-COLE LLC

Client Sample ID: SK-26S

TOTAL Metals

Lot-Sample #...: D1K130267-014

Matrix.....: WATER

Date Sampled...: 11/11/01 13:30 Date Received...: 11/13/01

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 1319495						
Iron	430	0.10	mg/L	SW846 6010B	11/20-11/21/01	ENV341AE
		Dilution Factor: 1		Analysis Time...: 00:50		
Manganese	12.2	0.010	mg/L	SW846 6010B	11/20-11/21/01	ENV341AF
		Dilution Factor: 1		Analysis Time...: 00:50		

CAMERON-COLE LLC

Client Sample ID: SK-26S

DISSOLVED Metals

Lot-Sample #...: D1K130267-014

Matrix.....: WATER

Date Sampled...: 11/11/01 13:30 Date Received...: 11/13/01

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 1319417						
Calcium	94.8	0.20	mg/L	SW846 6010B	11/20/01	ENV341AH
		Dilution Factor: 1		Analysis Time...: 23:07		
Iron	ND	0.10	mg/L	SW846 6010B	11/20/01	ENV341AJ
		Dilution Factor: 1		Analysis Time...: 23:07		
Potassium	3.4	3.0	mg/L	SW846 6010B	11/20/01	ENV341AM
		Dilution Factor: 1		Analysis Time...: 23:07		
Magnesium	42.1	0.20	mg/L	SW846 6010B	11/20/01	ENV341AK
		Dilution Factor: 1		Analysis Time...: 23:07		
Manganese	2.7	0.010	mg/L	SW846 6010B	11/20/01	ENV341AL
		Dilution Factor: 1		Analysis Time...: 23:07		
Sodium	77.4	5.0	mg/L	SW846 6010B	11/20/01	ENV341AG
		Dilution Factor: 1		Analysis Time...: 23:07		

CAMERON-COLE LLC

Client Sample ID: SK-27S

TOTAL Metals

Lot-Sample #....: D1K130267-015

Matrix.....: WATER

Date Sampled....: 11/11/01 14:00 Date Received...: 11/13/01

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #....: 1319495						
Iron	11.6	0.10	mg/L	SW846 6010B	11/20-11/21/01	ENV371AE
		Dilution Factor: 1		Analysis Time...: 00:54		
Manganese	1.0	0.010	mg/L	SW846 6010B	11/20-11/21/01	ENV371AF
		Dilution Factor: 1		Analysis Time...: 00:54		

CAMERON-COLE LLC

Client Sample ID: SK-27S

DISSOLVED Metals

Lot-Sample #....: D1K130267-015 .

Matrix.....: WATER

Date Sampled....: 11/11/01 14:00 Date Received...: 11/13/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1319417						
Calcium	102	0.20	mg/L	SW846 6010B	11/20/01	ENV371AH
		Dilution Factor: 1		Analysis Time...: 23:10		
Iron	ND	0.10	mg/L	SW846 6010B	11/20/01	ENV371AJ
		Dilution Factor: 1		Analysis Time...: 23:10		
Potassium	3.9	3.0	mg/L	SW846 6010B	11/20/01	ENV371AM
		Dilution Factor: 1		Analysis Time...: 23:10		
Magnesium	35.8	0.20	mg/L	SW846 6010B	11/20/01	ENV371AK
		Dilution Factor: 1		Analysis Time...: 23:10		
Manganese	0.94	0.010	mg/L	SW846 6010B	11/20/01	ENV371AL
		Dilution Factor: 1		Analysis Time...: 23:10		
Sodium	47.8	5.0	mg/L	SW846 6010B	11/20/01	ENV371AG
		Dilution Factor: 1		Analysis Time...: 23:10		

CAMERON-COLE LLC

Client Sample ID: SK-28S

TOTAL Metals

Lot-Sample #...: D1K130267-018

Matrix.....: WATER

Date Sampled...: 11/11/01 14:30 Date Received...: 11/13/01

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 1319495						
Iron	77.6	0.10	mg/L	SW846 6010B	11/20-11/21/01	ENV4G1AE
		Dilution Factor: 1		Analysis Time...: 01:05		
Manganese	1.4	0.010	mg/L	SW846 6010B	11/20-11/21/01	ENV4G1AF
		Dilution Factor: 1		Analysis Time...: 01:05		

CAMERON-COLE LLC

Client Sample ID: SK-28S

DISSOLVED Metals

Lot-Sample #...: D1K130267-018

Matrix.....: WATER

Date Sampled...: 11/11/01 14:30 Date Received...: 11/13/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1319417						
Calcium	132	0.20	mg/L	SW846 6010B	11/20/01	ENV4G1AH
		Dilution Factor: 1		Analysis Time...: 23:22		
Iron	1.9	0.10	mg/L	SW846 6010B	11/20/01	ENV4G1AJ
		Dilution Factor: 1		Analysis Time...: 23:22		
Potassium	3.4	3.0	mg/L	SW846 6010B	11/20/01	ENV4G1AM
		Dilution Factor: 1		Analysis Time...: 23:22		
Magnesium	16.7	0.20	mg/L	SW846 6010B	11/20/01	ENV4G1AK
		Dilution Factor: 1		Analysis Time...: 23:22		
Manganese	0.78	0.010	mg/L	SW846 6010B	11/20/01	ENV4G1AL
		Dilution Factor: 1		Analysis Time...: 23:22		
Sodium	23.2	5.0	mg/L	SW846 6010B	11/20/01	ENV4G1AG
		Dilution Factor: 1		Analysis Time...: 23:22		

CAMERON-COLE LLC

Client Sample ID: SK-1S

General Chemistry

Lot-Sample #....: D1K130267-001 Work Order #....: ENV29
 Date Sampled....: 11/11/01 08:15 Date Received...: 11/13/01

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	ND	0.10	mg/L	MCAWW 350.1	11/14/01	1319320
		Dilution Factor: 1		Analysis Time...: 08:00		
Bicarbonate Alkalinity	260	5.0	mg/L	MCAWW 310.1	11/19/01	1323548
		Dilution Factor: 1		Analysis Time...: 14:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	11/19/01	1323549
		Dilution Factor: 1		Analysis Time...: 14:00		
Chloride	55.5	2.5	mg/L	MCAWW 325.2	11/16/01	1324257
		Dilution Factor: 1		Analysis Time...: 13:00		
Nitrate-Nitrite	1.7	0.10	mg/L	MCAWW 353.2	11/14/01	1319419
		Dilution Factor: 1		Analysis Time...: 08:00		
Sulfate	315 Q	50.0	mg/L	MCAWW 375.4	11/26/01	13306
		Dilution Factor: 10		Analysis Time...: 12:30		
Total Alkalinity	260	5.0	mg/L	MCAWW 310.1	11/19/01	1323547
		Dilution Factor: 1		Analysis Time...: 14:00		
Total Dissolved Solids	1040 G	20.0	mg/L	MCAWW 160.1	11/15/01	1319625
		Dilution Factor: 2		Analysis Time...: 12:00		
Total Organic Carbon	1.9	1.0	mg/L	MCAWW 415.1	11/22-11/23/01	1330527
		Dilution Factor: 1		Analysis Time...: 04:00		

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

CAMERON-COLE LLC

Client Sample ID: SK-1D

General Chemistry

Lot-Sample #....: D1K130267-002 Work Order #....: ENV3E
 Date Sampled....: 11/11/01 07:45 Date Received...: 11/13/01

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	ND	0.10	mg/L	MCAWW 350.1	11/14/01	1319320
		Dilution Factor: 1		Analysis Time...: 08:00		
Bicarbonate Alkalinity	269	5.0	mg/L	MCAWW 310.1	11/19/01	1323548
		Dilution Factor: 1		Analysis Time...: 14:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	11/19/01	1323549
		Dilution Factor: 1		Analysis Time...: 14:00		
Chloride	50.6	2.5	mg/L	MCAWW 325.2	11/16/01	1324257
		Dilution Factor: 1		Analysis Time...: 13:00		
Nitrate-Nitrite	1.7	0.10	mg/L	MCAWW 353.2	11/14/01	1319419
		Dilution Factor: 1		Analysis Time...: 08:00		
Sulfate	443 Q	50.0	mg/L	MCAWW 375.4	11/26/01	1330633
		Dilution Factor: 10		Analysis Time...: 12:30		
Total Alkalinity	269	5.0	mg/L	MCAWW 310.1	11/19/01	1323547
		Dilution Factor: 1		Analysis Time...: 14:00		
Total Dissolved Solids	1000	10.0	mg/L	MCAWW 160.1	11/15/01	1319625
		Dilution Factor: 1		Analysis Time...: 12:00		
Total Organic Carbon	3.5	1.0	mg/L	MCAWW 415.1	11/22-11/23/01	1330527
		Dilution Factor: 1		Analysis Time...: 04:00		

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

CAMERON-COLE LLC

Client Sample ID: SK-2S

General Chemistry

Lot-Sample #....: D1K130267-003 Work Order #....: ENV3F Matrix.....: WATER
 Date Sampled....: 11/11/01 11:00 Date Received...: 11/13/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	0.13	0.10	mg/L	MCAWW 350.1	11/14/01	1319320
		Dilution Factor: 1		Analysis Time...: 08:00		
Bicarbonate Alkalinity	423	5.0	mg/L	MCAWW 310.1	11/19/01	1323548
		Dilution Factor: 1		Analysis Time...: 14:00		
Carbonate Alkalinity ND		5.0	mg/L	MCAWW 310.1	11/19/01	1323549
		Dilution Factor: 1		Analysis Time...: 14:00		
Chloride	80.8	2.5	mg/L	MCAWW 325.2	11/16/01	1324257
		Dilution Factor: 1		Analysis Time...: 13:00		
Nitrate-Nitrite	ND	0.10	mg/L	MCAWW 353.2	11/14/01	1319419
		Dilution Factor: 1		Analysis Time...: 08:00		
Sulfate	132 Q	25.0	mg/L	MCAWW 375.4	11/26/01	133063
		Dilution Factor: 5		Analysis Time...: 12:30		
Total Alkalinity	423	5.0	mg/L	MCAWW 310.1	11/19/01	1323547
		Dilution Factor: 1		Analysis Time...: 14:00		
Total Dissolved Solids	825 G	50.0	mg/L	MCAWW 160.1	11/15/01	1319625
		Dilution Factor: 5		Analysis Time...: 12:00		
Total Organic Carbon	5.2	1.0	mg/L	MCAWW 415.1	11/22-11/23/01	1330527
		Dilution Factor: 1		Analysis Time...: 04:00		

NOTE(S):

RL Reporting Limit

Q, Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

CAMERON-COLE LLC

Client Sample ID: SK-2D

General Chemistry

Lot-Sample #...: D1K130267-004 Work Order #...: ENV3G
 Date Sampled...: 11/11/01 11:30 Date Received...: 11/13/01

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	ND	0.10	mg/L	MCAWW 350.1 Dilution Factor: 1 Analysis Time...: 08:00	11/14/01	1319320
Bicarbonate Alkalinity	347	5.0	mg/L	MCAWW 310.1 Dilution Factor: 1 Analysis Time...: 14:00	11/19/01	1323548
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1 Dilution Factor: 1 Analysis Time...: 14:00	11/19/01	1323549
Chloride	56.0	2.5	mg/L	MCAWW 325.2 Dilution Factor: 1 Analysis Time...: 13:00	11/16/01	1324257
Nitrate-Nitrite	3.3	0.10	mg/L	MCAWW 353.2 Dilution Factor: 1 Analysis Time...: 08:00	11/14/01	1319419
Sulfate	287 Q	50.0	mg/L	MCAWW 375.4 Dilution Factor: 10 Analysis Time...: 12:30	11/26/01	1330633
Total Alkalinity	347	5.0	mg/L	MCAWW 310.1 Dilution Factor: 1 Analysis Time...: 14:00	11/19/01	1323547
Total Dissolved Solids	895	10.0	mg/L	MCAWW 160.1 Dilution Factor: 1 Analysis Time...: 12:00	11/15/01	1319625
Total Organic Carbon	16.9	1.0	mg/L	MCAWW 415.1 Dilution Factor: 1 Analysis Time...: 05:00	11/22-11/23/01	1330527

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

CAMERON-COLE LLC

Client Sample ID: SK-3S

General Chemistry

Lot-Sample #....: D1K130267-005 Work Order #....: ENV3H
 Date Sampled....: 11/11/01 10:05 Date Received...: 11/13/01

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	ND	0.10	mg/L	MCAWW 350.1 Dilution Factor: 1 Analysis Time...: 08:00	11/14/01	1319320
Bicarbonate Alkalinity	282	5.0	mg/L	MCAWW 310.1 Dilution Factor: 1 Analysis Time...: 14:00	11/19/01	1323548
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1 Dilution Factor: 1 Analysis Time...: 14:00	11/19/01	1323549
Chloride	53.4	2.5	mg/L	MCAWW 325.2 Dilution Factor: 1 Analysis Time...: 13:00	11/16/01	1324257
Nitrate-Nitrite	5.8	0.10	mg/L	MCAWW 353.2 Dilution Factor: 1 Analysis Time...: 08:00	11/14/01	1319419
Sulfate	167 Q	25.0	mg/L	MCAWW 375.4 Dilution Factor: 5 Analysis Time...: 12:30	11/26/01	13306
Total Alkalinity	282	5.0	mg/L	MCAWW 310.1 Dilution Factor: 1 Analysis Time...: 14:00	11/19/01	1323547
Total Dissolved Solids	1000 G	50.0	mg/L	MCAWW 160.1 Dilution Factor: 5 Analysis Time...: 12:00	11/15/01	1319625
Total Organic Carbon	5.9	1.0	mg/L	MCAWW 415.1 Dilution Factor: 1 Analysis Time...: 05:00	11/22-11/23/01	1330527

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

CAMERON-COLE LLC

Client Sample ID: SK-3D

General Chemistry

Lot-Sample #....: D1K130267-006 Work Order #....: ENV3L Matrix.....: WATER
 Date Sampled....: 11/11/01 10:35 Date Received...: 11/13/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	ND	0.10	mg/L	MCAWW 350.1	11/14/01	1319320
		Dilution Factor: 1		Analysis Time...: 08:00		
Bicarbonate Alkalinity	285	5.0	mg/L	MCAWW 310.1	11/19/01	1323548
		Dilution Factor: 1		Analysis Time...: 14:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	11/19/01	1323549
		Dilution Factor: 1		Analysis Time...: 14:00		
Chloride	52.0	2.5	mg/L	MCAWW 325.2	11/16/01	1324257
		Dilution Factor: 1		Analysis Time...: 13:00		
Nitrate-Nitrite	5.1	0.10	mg/L	MCAWW 353.2	11/14/01	1319419
		Dilution Factor: 1		Analysis Time...: 08:00		
Sulfate	189 Q	50.0	mg/L	MCAWW 375.4	11/26/01	1330633
		Dilution Factor: 10		Analysis Time...: 12:30		
Total Alkalinity	285	5.0	mg/L	MCAWW 310.1	11/19/01	1323547
		Dilution Factor: 1		Analysis Time...: 14:00		
Total Dissolved Solids	649	10.0	mg/L	MCAWW 160.1	11/15/01	1319625
		Dilution Factor: 1		Analysis Time...: 12:00		
Total Organic Carbon	20.0	1.0	mg/L	MCAWW 415.1	11/22-11/23/01	1330527
		Dilution Factor: 1		Analysis Time...: 05:00		

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

CAMERON-COLE LLC

Client Sample ID: SK-4S

General Chemistry

Lot-Sample #....: D1K130267-007 Work Order #....: ENV3M
 Date Sampled....: 11/11/01 09:40 Date Received...: 11/13/01

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	ND	0.10	mg/L	MCAWW 350.1	11/14/01	1319320
		Dilution Factor: 1		Analysis Time...: 08:00		
Bicarbonate Alkalinity	386	5.0	mg/L	MCAWW 310.1	11/19/01	1323548
		Dilution Factor: 1		Analysis Time...: 14:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	11/19/01	1323549
		Dilution Factor: 1		Analysis Time...: 14:00		
Chloride	36.9	2.5	mg/L	MCAWW 325.2	11/16/01	1324257
		Dilution Factor: 1		Analysis Time...: 13:00		
Nitrate-Nitrite	1.3	0.10	mg/L	MCAWW 353.2	11/14/01	1319419
		Dilution Factor: 1		Analysis Time...: 08:00		
Sulfate	190 Q	50.0	mg/L	MCAWW 375.4	11/26/01	13306
		Dilution Factor: 10		Analysis Time...: 12:30		
Total Alkalinity	386	5.0	mg/L	MCAWW 310.1	11/19/01	1323547
		Dilution Factor: 1		Analysis Time...: 14:00		
Total Dissolved Solids	1030 G	100	mg/L	MCAWW 160.1	11/15/01	1319625
		Dilution Factor: 10		Analysis Time...: 12:00		
Total Organic Carbon	2.9	1.0	mg/L	MCAWW 415.1	11/22-11/23/01	1330531
		Dilution Factor: 1		Analysis Time...: 05:00		

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

CAMERON-COLE LLC

Client Sample ID: SK-4D

General Chemistry

Lot-Sample #....: D1K130267-008 Work Order #....: ENV3N Matrix.....: WATER
 Date Sampled....: 11/11/01 15:15 Date Received...: 11/13/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	ND	0.10	mg/L	MCAWW 350.1	11/14/01	1319320
		Dilution Factor: 1		Analysis Time...: 08:00		
Bicarbonate Alkalinity	338	5.0	mg/L	MCAWW 310.1	11/19/01	1323548
		Dilution Factor: 1		Analysis Time...: 14:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	11/19/01	1323549
		Dilution Factor: 1		Analysis Time...: 14:00		
Chloride	65.1	2.5	mg/L	MCAWW 325.2	11/16/01	1324257
		Dilution Factor: 1		Analysis Time...: 13:00		
Nitrate-Nitrite	3.1	0.10	mg/L	MCAWW 353.2	11/14/01	1319419
		Dilution Factor: 1		Analysis Time...: 08:00		
Sulfate	190 Q	50.0	mg/L	MCAWW 375.4	11/26/01	1330633
		Dilution Factor: 10		Analysis Time...: 12:30		
Total Alkalinity	338	5.0	mg/L	MCAWW 310.1	11/19/01	1323547
		Dilution Factor: 1		Analysis Time...: 14:00		
Total Dissolved Solids	767	10.0	mg/L	MCAWW 160.1	11/15/01	1319625
		Dilution Factor: 1		Analysis Time...: 12:00		
Total Organic Carbon	4.2	1.0	mg/L	MCAWW 415.1	11/22-11/23/01	1330531
		Dilution Factor: 1		Analysis Time...: 05:00		

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

CAMERON-COLE LLC

Client Sample ID: SK-5S

General Chemistry

Lot-Sample #....: D1K130267-009 Work Order #....: ENV3P
 Date Sampled....: 11/11/01 12:05 Date Received...: 11/13/01

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	0.24	0.10	mg/L	MCAWW 350.1	11/14/01	1319320
			Dilution Factor: 1	Analysis Time...: 08:00		
Bicarbonate Alkalinity	481	5.0	mg/L	MCAWW 310.1	11/19/01	1323548
			Dilution Factor: 1	Analysis Time...: 14:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	11/19/01	1323549
			Dilution Factor: 1	Analysis Time...: 14:00		
Chloride	115	2.5	mg/L	MCAWW 325.2	11/16/01	1324257
			Dilution Factor: 1	Analysis Time...: 13:00		
Nitrate-Nitrite	ND	0.10	mg/L	MCAWW 353.2	11/14/01	1319419
			Dilution Factor: 1	Analysis Time...: 08:00		
Sulfate	68.0 Q	10.0	mg/L	MCAWW 375.4	11/26/01	133063
			Dilution Factor: 2	Analysis Time...: 12:30		
Total Alkalinity	481	5.0	mg/L	MCAWW 310.1	11/19/01	1323547
			Dilution Factor: 1	Analysis Time...: 14:00		
Total Dissolved Solids	910 G	50.0	mg/L	MCAWW 160.1	11/15/01	1319625
			Dilution Factor: 5	Analysis Time...: 12:00		
Total Organic Carbon	4.6	1.0	mg/L	MCAWW 415.1	11/22-11/23/01	1330531
			Dilution Factor: 1	Analysis Time...: 06:00		

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

CAMERON-COLE LLC

Client Sample ID: SK-5D

General Chemistry

Lot-Sample #....: D1K130267-010

Work Order #....: ENV3V

Matrix.....: WATER

Date Sampled....: 11/11/01 12:35

Date Received...: 11/13/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	ND	0.10	mg/L	MCAWW 350.1	11/14/01	1319320
		Dilution Factor: 1		Analysis Time...: 08:00		
Bicarbonate Alkalinity	318	5.0	mg/L	MCAWW 310.1	11/19/01	1323548
		Dilution Factor: 1		Analysis Time...: 14:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	11/19/01	1323549
		Dilution Factor: 1		Analysis Time...: 14:00		
Chloride	74.4	2.5	mg/L	MCAWW 325.2	11/16/01	1324257
		Dilution Factor: 1		Analysis Time...: 13:00		
Nitrate-Nitrite	3.6	0.10	mg/L	MCAWW 353.2	11/14/01	1319419
		Dilution Factor: 1		Analysis Time...: 08:00		
Sulfate	234 Q	50.0	mg/L	MCAWW 375.4	11/26/01	1330633
		Dilution Factor: 10		Analysis Time...: 12:30		
Total Alkalinity	318	5.0	mg/L	MCAWW 310.1	11/19/01	1323547
		Dilution Factor: 1		Analysis Time...: 14:00		
Total Dissolved Solids	770	10.0	mg/L	MCAWW 160.1	11/15/01	1319625
		Dilution Factor: 1		Analysis Time...: 12:00		
Total Organic Carbon	18.9	1.0	mg/L	MCAWW 415.1	11/22-11/23/01	1330531
		Dilution Factor: 1		Analysis Time...: 06:00		

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

CAMERON-COLE LLC

Client Sample ID: SK-6S

General Chemistry

Lot-Sample #....: D1K130267-011 Work Order #....: ENV3W
 Date Sampled....: 11/11/01 07:15 Date Received...: 11/13/01

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	ND	0.10	mg/L	MCAWW 350.1	11/14/01	1319320
		Dilution Factor: 1		Analysis Time...: 08:00		
Bicarbonate Alkalinity	410	5.0	mg/L	MCAWW 310.1	11/19/01	1323548
		Dilution Factor: 1		Analysis Time...: 14:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	11/19/01	1323549
		Dilution Factor: 1		Analysis Time...: 14:00		
Chloride	56.1	2.5	mg/L	MCAWW 325.2	11/16/01	1324257
		Dilution Factor: 1		Analysis Time...: 13:00		
Nitrate-Nitrite	ND	0.10	mg/L	MCAWW 353.2	11/14/01	1319419
		Dilution Factor: 1		Analysis Time...: 08:00		
Sulfate	93.2 Q	10.0	mg/L	MCAWW 375.4	11/26/01	1330630
		Dilution Factor: 2		Analysis Time...: 12:30		
Total Alkalinity	410	5.0	mg/L	MCAWW 310.1	11/19/01	1323547
		Dilution Factor: 1		Analysis Time...: 14:00		
Total Dissolved Solids	1400 G	50.0	mg/L	MCAWW 160.1	11/15/01	1319625
		Dilution Factor: 5		Analysis Time...: 12:00		
Total Organic Carbon	2.9	1.0	mg/L	MCAWW 415.1	11/22-11/23/01	1330531
		Dilution Factor: 1		Analysis Time...: 06:00		

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

CAMERON-COLE LLC

Client Sample ID: SK-10S

General Chemistry

Lot-Sample #....: D1K130267-012 Work Order #....: ENV3X Matrix.....: WATER
 Date Sampled....: 11/11/01 14:15 Date Received...: 11/13/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	0.39	0.10	mg/L	MCAWW 350.1	11/14/01	1319320
			Dilution Factor: 1	Analysis Time...: 08:00		
Bicarbonate Alkalinity	338	5.0	mg/L	MCAWW 310.1	11/19/01	1323548
			Dilution Factor: 1	Analysis Time...: 14:00		
Carbonate Alkalinity ND		5.0	mg/L	MCAWW 310.1	11/19/01	1323549
			Dilution Factor: 1	Analysis Time...: 14:00		
Chloride	80.5	2.5	mg/L	MCAWW 325.2	11/16/01	1324257
			Dilution Factor: 1	Analysis Time...: 13:00		
Nitrate-Nitrite	0.35	0.10	mg/L	MCAWW 353.2	11/14/01	1319419
			Dilution Factor: 1	Analysis Time...: 08:00		
Sulfate	142 Q	25.0	mg/L	MCAWW 375.4	11/26/01	1330633
			Dilution Factor: 5	Analysis Time...: 12:30		
Total Alkalinity	338	5.0	mg/L	MCAWW 310.1	11/19/01	1323547
			Dilution Factor: 1	Analysis Time...: 14:00		
Total Dissolved Solids	680 G	100	mg/L	MCAWW 160.1	11/15/01	1319625
			Dilution Factor: 10	Analysis Time...: 12:00		
Total Organic Carbon	4.6	1.0	mg/L	MCAWW 415.1	11/22-11/23/01	1330531
			Dilution Factor: 1	Analysis Time...: 06:00		

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

CAMERON-COLE LLC

Client Sample ID: SK-25D

General Chemistry

Lot-Sample #....: D1K130267-013 Work Order #....: ENV31 Matrix.....: WATER
 Date Sampled....: 11/11/01 13:00 Date Received...: 11/13/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	ND	0.10	mg/L	MCAWW 350.1	11/14/01	1319320
		Dilution Factor: 1		Analysis Time...: 08:00		
Bicarbonate Alkalinity	270	5.0	mg/L	MCAWW 310.1	11/19/01	1323548
		Dilution Factor: 1		Analysis Time...: 14:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	11/19/01	1323549
		Dilution Factor: 1		Analysis Time...: 14:00		
Chloride	50.9	2.5	mg/L	MCAWW 325.2	11/16/01	1324257
		Dilution Factor: 1		Analysis Time...: 13:00		
Nitrate-Nitrite	1.7	0.10	mg/L	MCAWW 353.2	11/14/01	1319419
		Dilution Factor: 1		Analysis Time...: 08:00		
Sulfate	419 Q	50.0	mg/L	MCAWW 375.4	11/26/01	13306
		Dilution Factor: 10		Analysis Time...: 12:30		
Total Alkalinity	270	5.0	mg/L	MCAWW 310.1	11/19/01	1323547
		Dilution Factor: 1		Analysis Time...: 14:00		
Total Dissolved Solids	994	10.0	mg/L	MCAWW 160.1	11/15/01	1319625
		Dilution Factor: 1		Analysis Time...: 12:00		
Total Organic Carbon	4.0	1.0	mg/L	MCAWW 415.1	11/22-11/23/01	1330531
		Dilution Factor: 1		Analysis Time...: 07:00		

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

CAMERON-COLE LLC

Client Sample ID: SK-26S

General Chemistry

Lot-Sample #....: D1K130267-014 Work Order #....: ENV34 Matrix.....: WATER
 Date Sampled....: 11/11/01 13:30 Date Received...: 11/13/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	0.44	0.10	mg/L	MCAWW 350.1	11/14/01	1319320
				Dilution Factor: 1	Analysis Time...: 08:00	
Bicarbonate Alkalinity	332	5.0	mg/L	MCAWW 310.1	11/19/01	1323553
				Dilution Factor: 1	Analysis Time...: 18:00	
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	11/19/01	1323554
				Dilution Factor: 1	Analysis Time...: 18:00	
Chloride	80.2	2.5	mg/L	MCAWW 325.2	11/16/01	1324257
				Dilution Factor: 1	Analysis Time...: 13:00	
Nitrate-Nitrite	0.42	0.10	mg/L	MCAWW 353.2	11/14/01	1319419
				Dilution Factor: 1	Analysis Time...: 08:00	
Sulfate	160 Q	25.0	mg/L	MCAWW 375.4	11/26/01	1330633
				Dilution Factor: 5	Analysis Time...: 12:30	
Total Alkalinity	332	5.0	mg/L	MCAWW 310.1	11/19/01	1323550
				Dilution Factor: 1	Analysis Time...: 18:00	
Total Dissolved Solids	840 G	100	mg/L	MCAWW 160.1	11/15/01	1319625
				Dilution Factor: 10	Analysis Time...: 12:00	
Total Organic Carbon	5.4	1.0	mg/L	MCAWW 415.1	11/22-11/23/01	1330531
				Dilution Factor: 1	Analysis Time...: 07:00	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

CAMERON-COLE LLC

Client Sample ID: SK-27S

General Chemistry

Lot-Sample #....: D1K130267-015 Work Order #....: ENV37
 Date Sampled....: 11/11/01 14:00 Date Received...: 11/13/01

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	ND	0.10	mg/L	MCAWW 350.1	11/14/01	1319320
		Dilution Factor: 1		Analysis Time...: 08:00		
Bicarbonate Alkalinity	277	5.0	mg/L	MCAWW 310.1	11/19/01	1323553
		Dilution Factor: 1		Analysis Time...: 18:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	11/19/01	1323554
		Dilution Factor: 1		Analysis Time...: 18:00		
Chloride	57.8	2.5	mg/L	MCAWW 325.2	11/16/01	1324257
		Dilution Factor: 1		Analysis Time...: 13:00		
Nitrate-Nitrite	5.9	0.10	mg/L	MCAWW 353.2	11/14/01	1319419
		Dilution Factor: 1		Analysis Time...: 08:00		
Sulfate	138 Q	25.0	mg/L	MCAWW 375.4	11/26/01	13306
		Dilution Factor: 5		Analysis Time...: 12:30		
Total Alkalinity	277	5.0	mg/L	MCAWW 310.1	11/19/01	1323550
		Dilution Factor: 1		Analysis Time...: 18:00		
Total Dissolved Solids	666 G	20.0	mg/L	MCAWW 160.1	11/15/01	1319625
		Dilution Factor: 2		Analysis Time...: 12:00		
Total Organic Carbon	2.8	1.0	mg/L	MCAWW 415.1	11/22-11/23/01	1330531
		Dilution Factor: 1		Analysis Time...: 07:00		

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

CAMERON-COLE LLC

Client Sample ID: SK-28S

General Chemistry

Lot-Sample #....: D1K130267-018 Work Order #....: ENV4G Matrix.....: WATER
Date Sampled....: 11/11/01 14:30 Date Received...: 11/13/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	0.15	0.10	mg/L	MCAWW 350.1	11/14/01	1319320
		Dilution Factor: 1		Analysis Time...: 08:00		
Bicarbonate Alkalinity	263	5.0	mg/L	MCAWW 310.1	11/20/01	1325373
		Dilution Factor: 1		Analysis Time...: 16:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	11/20/01	1325374
		Dilution Factor: 1		Analysis Time...: 16:00		
Chloride	12.1	2.5	mg/L	MCAWW 325.2	11/16/01	1324257
		Dilution Factor: 1		Analysis Time...: 13:00		
Nitrate-Nitrite	0.45	0.10	mg/L	MCAWW 353.2	11/14/01	1319419
		Dilution Factor: 1		Analysis Time...: 08:00		
Sulfate	164 Q	25.0	mg/L	MCAWW 375.4	11/26/01	1330633
		Dilution Factor: 5		Analysis Time...: 12:30		
Total Alkalinity	263	5.0	mg/L	MCAWW 310.1	11/20/01	1325372
		Dilution Factor: 1		Analysis Time...: 16:00		
Total Dissolved Solids	655 G	50.0	mg/L	MCAWW 160.1	11/15/01	1319625
		Dilution Factor: 5		Analysis Time...: 12:00		
Total Organic Carbon	3.5	1.0	mg/L	MCAWW 415.1	11/22-11/23/01	1330531
		Dilution Factor: 1		Analysis Time...: 18:00		

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

QC DATA ASSOCIATION SUMMARY

D1K130267

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	MCAWW 160.1		1319625	1324239
	WATER	MCAWW 310.1		1323549	
	WATER	MCAWW 325.2		1324257	1324101
	WATER	MCAWW 353.2		1319419	1319201
	WATER	MCAWW 415.1		1330527	1330240
	WATER	RSK SOP-175		1332454	1332246
	WATER	SW846 8260B		1324409	1324190
	WATER	SW846 6010B		1319417	1319196
	WATER	SW846 6010B		1319495	1319249
	WATER	MCAWW 375.4		1330633	1330321
	WATER	MCAWW 310.1		1323548	
	WATER	MCAWW 310.1		1323547	1323314
	WATER	MCAWW 350.1		1319320	1319131
002	WATER	MCAWW 160.1		1319625	1324239
	WATER	MCAWW 310.1		1323549	
	WATER	MCAWW 325.2		1324257	1324101
	WATER	MCAWW 353.2		1319419	1319201
	WATER	MCAWW 415.1		1330527	1330240
	WATER	RSK SOP-175		1332454	1332246
	WATER	SW846 8260B		1324409	1324190
	WATER	SW846 6010B		1319417	1319196
	WATER	SW846 6010B		1319495	1319249
	WATER	MCAWW 375.4		1330633	1330321
	WATER	MCAWW 310.1		1323548	
	WATER	MCAWW 310.1		1323547	1323314
	WATER	MCAWW 350.1		1319320	1319131
003	WATER	MCAWW 160.1		1319625	1324239
	WATER	MCAWW 310.1		1323549	
	WATER	MCAWW 325.2		1324257	1324101
	WATER	MCAWW 353.2		1319419	1319201
	WATER	MCAWW 415.1		1330527	1330240
	WATER	RSK SOP-175		1332454	1332246
	WATER	SW846 8260B		1324409	1324190
	WATER	SW846 6010B		1319417	1319196
	WATER	SW846 6010B		1319495	1319249
	WATER	MCAWW 375.4		1330633	1330321
	WATER	MCAWW 310.1		1323548	
	WATER	MCAWW 310.1		1323547	1323314
	WATER	MCAWW 350.1		1319320	1319131

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QC DATA ASSOCIATION SUMMARY

D1K130267

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
004	WATER	MCAWW 160.1		1319625	1324239
	WATER	MCAWW 310.1		1323549	
	WATER	MCAWW 325.2		1324257	1324101
	WATER	MCAWW 353.2		1319419	1319201
	WATER	MCAWW 415.1		1330527	1330240
	WATER	RSK SOP-175		1332454	1332246
	WATER	SW846 8260B		1324409	1324190
	WATER	SW846 6010B		1319417	1319196
	WATER	SW846 6010B		1319495	1319249
	WATER	MCAWW 375.4		1330633	1330321
	WATER	MCAWW 310.1		1323548	
	WATER	MCAWW 310.1		1323547	1323314
	WATER	MCAWW 350.1		1319320	1319131
005	WATER	MCAWW 160.1		1319625	1324239
	WATER	MCAWW 310.1		1323549	
	WATER	MCAWW 325.2		1324257	1324101
	WATER	MCAWW 353.2		1319419	1319201
	WATER	MCAWW 415.1		1330527	1330240
	WATER	RSK SOP-175		1332454	1332246
	WATER	SW846 8260B		1324409	1324190
	WATER	SW846 6010B		1319417	1319196
	WATER	SW846 6010B		1319495	1319249
	WATER	MCAWW 375.4		1330633	1330321
	WATER	MCAWW 310.1		1323548	
	WATER	MCAWW 310.1		1323547	1323314
	WATER	MCAWW 350.1		1319320	1319131
006	WATER	MCAWW 160.1		1319625	1324239
	WATER	MCAWW 310.1		1323549	
	WATER	MCAWW 325.2		1324257	1324101
	WATER	MCAWW 353.2		1319419	1319201
	WATER	MCAWW 415.1		1330527	1330240
	WATER	RSK SOP-175		1332454	1332246
	WATER	SW846 8260B		1325275	1325115
	WATER	SW846 6010B		1319417	1319196
	WATER	SW846 6010B		1319495	1319249
	WATER	MCAWW 375.4		1330633	1330321
	WATER	MCAWW 310.1		1323548	
	WATER	MCAWW 310.1		1323547	1323314
	WATER	MCAWW 350.1		1319320	1319131

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QC DATA ASSOCIATION SUMMARY

DIK130267

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
007	WATER	MCAWW 160.1		1319625	1324239
	WATER	MCAWW 310.1		1323549	
	WATER	MCAWW 325.2		1324257	1324101
	WATER	MCAWW 353.2		1319419	1319201
	WATER	MCAWW 415.1		1330531	1330241
	WATER	RSK SOP-175		1332454	1332246
	WATER	SW846 8260B		1324409	1324190
	WATER	SW846 6010B		1319417	1319196
	WATER	SW846 6010B		1319495	1319249
	WATER	MCAWW 375.4		1330633	1330321
	WATER	MCAWW 310.1		1323548	
	WATER	MCAWW 310.1		1323547	1323314
008	WATER	MCAWW 160.1		1319625	1324239
	WATER	MCAWW 310.1		1323549	
	WATER	MCAWW 325.2		1324257	1324101
	WATER	MCAWW 353.2		1319419	1319201
	WATER	MCAWW 415.1		1330531	1330241
	WATER	RSK SOP-175		1332454	1332246
	WATER	SW846 8260B		1325275	1325115
	WATER	SW846 6010B		1319417	1319196
	WATER	SW846 6010B		1319495	1319249
	WATER	MCAWW 375.4		1330633	1330321
	WATER	MCAWW 310.1		1323548	
	WATER	MCAWW 310.1		1323547	1323314
009	WATER	MCAWW 160.1		1319625	1324239
	WATER	MCAWW 310.1		1323549	
	WATER	MCAWW 325.2		1324257	1324101
	WATER	MCAWW 353.2		1319419	1319201
	WATER	MCAWW 415.1		1330531	1330241
	WATER	RSK SOP-175		1332454	1332246
	WATER	SW846 8260B		1324409	1324190
	WATER	SW846 6010B		1319417	1319196
	WATER	SW846 6010B		1319495	1319249
	WATER	MCAWW 375.4		1330633	1330321
	WATER	MCAWW 310.1		1323548	
	WATER	MCAWW 310.1		1323547	1323314
	WATER	MCAWW 350.1		1319320	1319131

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

D1K130267

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
010	WATER	MCAWW 160.1		1319625	1324239
	WATER	MCAWW 310.1		1323549	
	WATER	MCAWW 325.2		1324257	1324101
	WATER	MCAWW 353.2		1319419	1319201
	WATER	MCAWW 415.1		1330531	1330241
	WATER	RSK SOP-175		1332454	1332246
	WATER	SW846 8260B		1325275	1325115
	WATER	SW846 6010B		1319417	1319196
	WATER	SW846 6010B		1319495	1319249
	WATER	MCAWW 375.4		1330633	1330321
	WATER	MCAWW 310.1		1323548	
	WATER	MCAWW 310.1		1323547	1323314
	WATER	MCAWW 350.1		1319320	1319131
011	WATER	MCAWW 160.1		1319625	1324239
	WATER	MCAWW 310.1		1323549	
	WATER	MCAWW 325.2		1324257	1324101
	WATER	MCAWW 353.2		1319419	1319201
	WATER	MCAWW 415.1		1330531	1330241
	WATER	RSK SOP-175		1332454	1332246
	WATER	SW846 8260B		1324409	1324190
	WATER	SW846 6010B		1319417	1319196
	WATER	SW846 6010B		1319495	1319249
	WATER	MCAWW 375.4		1330633	1330321
	WATER	MCAWW 310.1		1323548	
	WATER	MCAWW 310.1		1323547	1323314
	WATER	MCAWW 350.1		1319320	1319131
012	WATER	MCAWW 160.1		1319625	1324239
	WATER	MCAWW 310.1		1323549	
	WATER	MCAWW 325.2		1324257	1324101
	WATER	MCAWW 353.2		1319419	1319201
	WATER	MCAWW 415.1		1330531	1330241
	WATER	RSK SOP-175		1332454	1332246
	WATER	SW846 8260B		1324409	1324190
	WATER	SW846 6010B		1319417	1319196
	WATER	SW846 6010B		1319495	1319249
	WATER	MCAWW 375.4		1330633	1330321
	WATER	MCAWW 310.1		1323548	
	WATER	MCAWW 310.1		1323547	1323314
	WATER	MCAWW 350.1		1319320	1319131

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

D1K130267

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
013	WATER	MCAWW 160.1		1319625	1324239
	WATER	MCAWW 310.1		1323549	
	WATER	MCAWW 325.2		1324257	1324101
	WATER	MCAWW 353.2		1319419	1319201
	WATER	MCAWW 415.1		1330531	1330241
	WATER	RSK SOP-175		1332454	1332246
	WATER	SW846 8260B		1324409	1324190
	WATER	SW846 6010B		1319417	1319196
	WATER	SW846 6010B		1319495	1319249
	WATER	MCAWW 375.4		1330633	1330321
	WATER	MCAWW 310.1		1323548	
	WATER	MCAWW 310.1		1323547	1323314
	WATER	MCAWW 350.1		1319320	1319131
014	WATER	MCAWW 160.1		1319625	1324239
	WATER	MCAWW 310.1		1323554	
	WATER	MCAWW 325.2		1324257	1324101
	WATER	MCAWW 353.2		1319419	1319201
	WATER	MCAWW 415.1		1330531	1330241
	WATER	RSK SOP-175		1332454	1332246
	WATER	SW846 8260B		1324409	1324190
	WATER	SW846 6010B		1319417	1319196
	WATER	SW846 6010B		1319495	1319249
	WATER	MCAWW 375.4		1330633	1330321
	WATER	MCAWW 310.1		1323553	
	WATER	MCAWW 310.1		1323550	1323315
	WATER	MCAWW 350.1		1319320	1319131
015	WATER	MCAWW 160.1		1319625	1324239
	WATER	MCAWW 310.1		1323554	
	WATER	MCAWW 325.2		1324257	1324101
	WATER	MCAWW 353.2		1319419	1319201
	WATER	MCAWW 415.1		1330531	1330241
	WATER	RSK SOP-175		1332454	1332246
	WATER	SW846 8260B		1324409	1324190
	WATER	SW846 6010B		1319417	1319196
	WATER	SW846 6010B		1319495	1319249
	WATER	MCAWW 375.4		1330633	1330321
	WATER	MCAWW 310.1		1323553	
	WATER	MCAWW 310.1		1323550	1323315
	WATER	MCAWW 350.1		1319320	1319131

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

D1K130267

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
016	WATER	SW846 8260B		1324409	1324190
017	WATER	SW846 8260B		1324409	1324190
018	WATER	MCAWW 160.1		1319625	1324239
	WATER	MCAWW 310.1		1325374	
	WATER	MCAWW 325.2		1324257	1324101
	WATER	MCAWW 353.2		1319419	1319201
	WATER	MCAWW 415.1		1330531	1330241
	WATER	RSK SOP-175		1332454	1332246
	WATER	SW846 8260B		1324409	1324190
	WATER	SW846 6010B		1319417	1319196
	WATER	SW846 6010B		1319495	1319249
	WATER	MCAWW 375.4		1330633	1330321
	WATER	MCAWW 310.1		1325373	
	WATER	MCAWW 310.1		1325372	1325188
	WATER	MCAWW 350.1		1319320	1319131

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K130267 Work Order #....: EPA461AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: D1K200000-409 EPA461AD-LCSD
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324409 Analysis Time...: 11:01
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	99	(79 - 119)			SW846 8260B
	98	(79 - 119)	0.69	(0-20)	SW846 8260B
Benzene	97	(79 - 119)			SW846 8260B
	99	(79 - 119)	2.2	(0-20)	SW846 8260B
Chlorobenzene	96	(76 - 116)			SW846 8260B
	97	(76 - 116)	0.79	(0-20)	SW846 8260B
Toluene	102	(75 - 122)			SW846 8260B
	104	(75 - 122)	1.4	(0-20)	SW846 8260B
Trichloroethene	93	(81 - 121)			SW846 8260B
	94	(81 - 121)	0.64	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(80 - 120)
	105	(80 - 120)
1,2-Dichloroethane-d4	107	(72 - 127)
	110	(72 - 127)
4-Bromofluorobenzene	96	(79 - 119)
	99	(79 - 119)
Toluene-d8	104	(79 - 119)
	105	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K130267 Work Order #....: EPA461AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: D1K200000-409 EPA461AD-LCSD
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324409 Analysis Time...: 11:01
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	9.90	ug/L	99		SW846 8260B
	10.0	9.83	ug/L	98	0.69	SW846 8260B
Benzene	10.0	9.69	ug/L	97		SW846 8260B
	10.0	9.91	ug/L	99	2.2	SW846 8260B
Chlorobenzene	10.0	9.59	ug/L	96		SW846 8260B
	10.0	9.67	ug/L	97	0.79	SW846 8260B
Toluene	10.0	10.2	ug/L	102		SW846 8260B
	10.0	10.4	ug/L	104	1.4	SW846 8260B
Trichloroethene	10.0	9.35	ug/L	93		SW846 8260B
	10.0	9.41	ug/L	94	0.64	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(80 - 120)
	105	(80 - 120)
1,2-Dichloroethane-d4	107	(72 - 127)
	110	(72 - 127)
4-Bromofluorobenzene	96	(79 - 119)
	99	(79 - 119)
Toluene-d8	104	(79 - 119)
	105	(79 - 119)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K130267 Work Order #....: EPD451AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: D1K210000-275 EPD451AD-LCSD
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325275 Analysis Time...: 10:04
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	92	(79 - 119)			SW846 8260B
	94	(79 - 119)	1.6	(0-20)	SW846 8260B
Benzene	94	(79 - 119)			SW846 8260B
	96	(79 - 119)	2.4	(0-20)	SW846 8260B
Chlorobenzene	88	(76 - 116)			SW846 8260B
	94	(76 - 116)	6.5	(0-20)	SW846 8260B
Toluene	100	(75 - 122)			SW846 8260B
	102	(75 - 122)	2.3	(0-20)	SW846 8260B
Trichloroethene	87	(81 - 121)			SW846 8260B
	92	(81 - 121)	4.8	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(80 - 120)
	110	(80 - 120)
1,2-Dichloroethane-d4	114	(72 - 127)
	114	(72 - 127)
4-Bromofluorobenzene	92	(79 - 119)
	96	(79 - 119)
Toluene-d8	109	(79 - 119)
	109	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K130267 Work Order #....: EPD451AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: D1K210000-275 EPD451AD-LCSD
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325275 Analysis Time...: 10:04
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	9.21	ug/L	92		SW846 8260B
	10.0	9.37	ug/L	94	1.6	SW846 8260B
Benzene	10.0	9.43	ug/L	94		SW846 8260B
	10.0	9.65	ug/L	96	2.4	SW846 8260B
Chlorobenzene	10.0	8.81	ug/L	88		SW846 8260B
	10.0	9.41	ug/L	94	6.5	SW846 8260B
Toluene	10.0	10.0	ug/L	100		SW846 8260B
	10.0	10.2	ug/L	102	2.3	SW846 8260B
Trichloroethene	10.0	8.74	ug/L	87		SW846 8260B
	10.0	9.17	ug/L	92	4.8	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(80 - 120)
	110	(80 - 120)
1,2-Dichloroethane-d4	114	(72 - 127)
	114	(72 - 127)
4-Bromofluorobenzene	92	(79 - 119)
	96	(79 - 119)
Toluene-d8	109	(79 - 119)
	109	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D1K130267
MB Lot-Sample #: D1K200000-409

Work Order #...: EPA461AA

Matrix.....: WATER

Analysis Date...: 11/19/01
Dilution Factor: 1

Prep Date.....: 11/19/01

Analysis Time...: 11:53

Prep Batch #...: 1324409

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	0.50	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Naphthalene	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K130267

Work Order #....: EPA461AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L		SW846 8260B
Tetrachloroethene	ND	1.0	ug/L		SW846 8260B
Toluene	ND	1.0	ug/L		SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L		SW846 8260B
1,2,4-Trichloro- benzene	ND	1.0	ug/L		SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L		SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L		SW846 8260B
Trichloroethene	ND	1.0	ug/L		SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L		SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L		SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L		SW846 8260B
Vinyl chloride	ND	1.0	ug/L		SW846 8260B
o-Xylene	ND	1.0	ug/L		SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L		SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L		SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L		SW846 8260B
SURROGATE	PERCENT	RECOVERY			
	RECOVERY	LIMITS			
Dibromofluoromethane	111	(80 - 120)			
1,2-Dichloroethane-d4	115	(72 - 127)			
4-Bromofluorobenzene	100	(79 - 119)			
Toluene-d8	108	(79 - 119)			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K130267
MB Lot-Sample #: D1K210000-275

Work Order #....: EPD451AA

Matrix.....: WATER

Analysis Date...: 11/20/01
Dilution Factor: 1

Prep Date.....: 11/20/01

Analysis Time...: 10:57

Prep Batch #....: 1325275

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	0.50	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Naphthalene	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K130267

Work Order #....: EPD451AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L		SW846 8260B
Tetrachloroethene	ND	1.0	ug/L		SW846 8260B
Toluene	ND	1.0	ug/L		SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L		SW846 8260B
1,2,4-Trichloro- benzene	ND	1.0	ug/L		SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L		SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L		SW846 8260B
Trichloroethene	ND	1.0	ug/L		SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L		SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L		SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L		SW846 8260B
Vinyl chloride	ND	1.0	ug/L		SW846 8260B
o-Xylene	ND	1.0	ug/L		SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L		SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L		SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L		SW846 8260B
SURROGATE	PERCENT		RECOVERY		
	RECOVERY		LIMITS		
Dibromofluoromethane	109		(80 - 120)		
1,2-Dichloroethane-d4	112		(72 - 127)		
4-Bromofluorobenzene	98		(79 - 119)		
Toluene-d8	113		(79 - 119)		

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K130267 Work Order #....: ENV291CJ-MS Matrix.....: WATER
 MS Lot-Sample #: D1K130267-001 ENV291CK-MSD
 Date Sampled....: 11/11/01 08:15 Date Received...: 11/13/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324409 Analysis Time...: 13:00
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	97	(79 - 119)			SW846 8260B
	97	(79 - 119)	0.11	(0-20)	SW846 8260B
Benzene	95	(79 - 119)			SW846 8260B
	99	(79 - 119)	3.4	(0-20)	SW846 8260B
Chlorobenzene	94	(76 - 116)			SW846 8260B
	94	(76 - 116)	0.50	(0-20)	SW846 8260B
Toluene	103	(75 - 122)			SW846 8260B
	102	(75 - 122)	1.3	(0-20)	SW846 8260B
Trichloroethene	96	(81 - 121)			SW846 8260B
	95	(81 - 121)	0.24	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(80 - 120)
	108	(80 - 120)
1,2-Dichloroethane-d4	105	(72 - 127)
	111	(72 - 127)
4-Bromofluorobenzene	102	(79 - 119)
	97	(79 - 119)
Toluene-d8	107	(79 - 119)
	105	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K130267 Work Order #....: ENV291CJ-MS Matrix.....: WATER
 MS Lot-Sample #: D1K130267-001 ENV291CK-MSD
 Date Sampled....: 11/11/01 08:15 Date Received...: 11/13/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324409 Analysis Time...: 13:00
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	10.0	9.68	ug/L	97		SW846 8260B
	ND	10.0	9.67	ug/L	97	0.11	SW846 8260B
Benzene	ND	10.0	9.53	ug/L	95		SW846 8260B
	ND	10.0	9.86	ug/L	99	3.4	SW846 8260B
Chlorobenzene	ND	10.0	9.43	ug/L	94		SW846 8260B
	ND	10.0	9.38	ug/L	94	0.50	SW846 8260B
Toluene	ND	10.0	10.3	ug/L	103		SW846 8260B
	ND	10.0	10.2	ug/L	102	1.3	SW846 8260B
Trichloroethene	2.1	10.0	11.7	ug/L	96		SW846 8260B
	2.1	10.0	11.7	ug/L	95	0.24	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(80 - 120)
	108	(80 - 120)
1,2-Dichloroethane-d4	105	(72 - 127)
	111	(72 - 127)
4-Bromofluorobenzene	102	(79 - 119)
	97	(79 - 119)
Toluene-d8	107	(79 - 119)
	105	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K130267 Work Order #....: ENV3V1A1-MS Matrix.....: WATER
 MS Lot-Sample #: D1K130267-010 ENV3V1A2-MSD
 Date Sampled...: 11/11/01 12:35 Date Received...: 11/13/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325275 Analysis Time...: 12:21
 Dilution Factor: 4

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	96	(79 - 119)			SW846 8260B
	95	(79 - 119)	0.77	(0-20)	SW846 8260B
Benzene	97	(79 - 119)			SW846 8260B
	96	(79 - 119)	1.4	(0-20)	SW846 8260B
Chlorobenzene	94	(76 - 116)			SW846 8260B
	94	(76 - 116)	0.44	(0-20)	SW846 8260B
Toluene	107	(75 - 122)			SW846 8260B
	106	(75 - 122)	0.68	(0-20)	SW846 8260B
Trichloroethene	88	(81 - 121)			SW846 8260B
	77 a	(81 - 121)	3.0	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(80 - 120)
	104	(80 - 120)
1,2-Dichloroethane-d4	105	(72 - 127)
	107	(72 - 127)
4-Bromofluorobenzene	93	(79 - 119)
	94	(79 - 119)
Toluene-d8	113	(79 - 119)
	112	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K130267 Work Order #....: ENV3V1A1-MS Matrix.....: WATER
 MS Lot-Sample #: D1K130267-010 ENV3V1A2-MSD
 Date Sampled....: 11/11/01 12:35 Date Received...: 11/13/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325275 Analysis Time...: 12:21
 Dilution Factor: 4

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	40.0	38.4	ug/L	96		SW846 8260B
	ND	40.0	38.1	ug/L	95	0.77	SW846 8260B
Benzene	ND	40.0	38.9	ug/L	97		SW846 8260B
	ND	40.0	38.3	ug/L	96	1.4	SW846 8260B
Chlorobenzene	ND	40.0	37.7	ug/L	94		SW846 8260B
	ND	40.0	37.5	ug/L	94	0.44	SW846 8260B
Toluene	ND	40.0	42.7	ug/L	107		SW846 8260B
	ND	40.0	42.4	ug/L	106	0.68	SW846 8260B
Trichloroethene	120	40.0	158	ug/L	88		SW846 8260B
	120	40.0	153	ug/L	77 a	3.0	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(80 - 120)
	104	(80 - 120)
1,2-Dichloroethane-d4	105	(72 - 127)
	107	(72 - 127)
4-Bromofluorobenzene	93	(79 - 119)
	94	(79 - 119)
Toluene-d8	113	(79 - 119)
	112	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: D1K130267 Work Order #....: EPL4Q1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I1K280000-454 EPL4Q1AD-LCSD
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1332454 Analysis Time...: 02:57
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Ethane	98	(70 - 130)			RSK SOP-175
	98	(70 - 130)	0.15	(0-30)	RSK SOP-175
Ethene	92	(70 - 130)			RSK SOP-175
	93	(70 - 130)	0.22	(0-30)	RSK SOP-175
Methane	92	(70 - 130)			RSK SOP-175
	92	(70 - 130)	0.14	(0-30)	RSK SOP-175

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: D1K130267 Work Order #....: EPL4Q1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I1K280000-454 EPL4Q1AD-LCSD
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1332454 Analysis Time...: 02:57
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Ethane	65.1	63.5	ug/L	98		RSK SOP-175
	64.9	63.4	ug/L	98	0.15	RSK SOP-175
Ethene	60.8	56.0	ug/L	92		RSK SOP-175
	60.7	56.2	ug/L	93	0.22	RSK SOP-175
Methane	34.8	32.0	ug/L	92		RSK SOP-175
	34.7	32.0	ug/L	92	0.14	RSK SOP-175

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC Volatiles

Client Lot #....: D1K130267 Work Order #....: EPL4Q1AA Matrix.....: WATER
 MB Lot-Sample #: I1K280000-454
 Prep Date.....: 11/21/01 Analysis Time...: 02:54
 Analysis Date...: 11/21/01 Prep Batch #....: 1332454
 Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Ethane	ND	0.50	ug/L	RSK SOP-175
Ethene	ND	0.50	ug/L	RSK SOP-175
Methane	ND	0.50	ug/L	RSK SOP-175

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: D1K130267 Work Order #....: EN29M1A3-MS Matrix.....: WATER
 MS Lot-Sample #: D1K150277-006 EN29M1A4-MSD
 Date Sampled....: 11/12/01 17:00 Date Received...: 11/14/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1332454 Analysis Time...: 05:47
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Ethane	93	(68 - 104)			RSK SOP-175
	92	(68 - 104)	1.1	(0-14)	RSK SOP-175
Ethene	85	(69 - 102)			RSK SOP-175
	86	(69 - 102)	0.53	(0-15)	RSK SOP-175
Methane	94	(23 - 148)			RSK SOP-175
	94	(23 - 148)	0.28	(0-21)	RSK SOP-175

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: D1K130267 Work Order #....: EN29M1A3-MS Matrix.....: WATER
 MS Lot-Sample #: D1K150277-006 EN29M1A4-MSD
 Date Sampled...: 11/12/01 17:00 Date Received...: 11/14/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1332454 Analysis Time...: 05:47
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Ethane	ND	67.8	62.7	ug/L	93		RSK SOP-175
	ND	67.6	62.1	ug/L	92	1.1	RSK SOP-175
Ethene	ND	63.3	53.9	ug/L	85		RSK SOP-175
	ND	63.2	54.2	ug/L	86	0.53	RSK SOP-175
Methane	2.6	36.2	36.7	ug/L	94		RSK SOP-175
	2.6	36.1	36.6	ug/L	94	0.28	RSK SOP-175

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D1K130267

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
LCS Lot-Sample#: D1K150000-495 Prep Batch #...: 1319495					
Iron	97	(92 - 114)	SW846 6010B	11/20/01	EN3AH1AD
		Dilution Factor: 1			
		Analysis Time...: 23:37			
Manganese	98	(89 - 114)	SW846 6010B	11/20/01	EN3AH1AE
		Dilution Factor: 1			
		Analysis Time...: 23:37			

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: D1K130267

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D1K150000-495 Prep Batch #....: 1319495							
Iron	1.00	0.975	mg/L	97	SW846 6010B	11/20/01	EN3AH1AD
				Dilution Factor: 1			
				Analysis Time...: 23:37			
Manganese	0.500	0.489	mg/L	98	SW846 6010B	11/20/01	EN3AH1AE
				Dilution Factor: 1			
				Analysis Time...: 23:37			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #....: D1K130267

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D1K150000-417 Prep Batch #....: 1319417					
Sodium	98	(91 - 111)	SW846 6010B	11/20/01	EN2W31AH
		Dilution Factor: 1			
		Analysis Time...: 21:54			
Calcium	97	(88 - 108)	SW846 6010B	11/20/01	EN2W31AJ
		Dilution Factor: 1			
		Analysis Time...: 21:54			
Iron	99	(92 - 114)	SW846 6010B	11/20/01	EN2W31AK
		Dilution Factor: 1			
		Analysis Time...: 21:54			
Magnesium	100	(93 - 113)	SW846 6010B	11/20/01	EN2W31AL
		Dilution Factor: 1			
		Analysis Time...: 21:54			
Manganese	99	(89 - 114)	SW846 6010B	11/20/01	EN2W31AM
		Dilution Factor: 1			
		Analysis Time...: 21:54			
Potassium	95	(87 - 110)	SW846 6010B	11/20/01	EN2W31AN
		Dilution Factor: 1			
		Analysis Time...: 21:54			

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #....: D1K130267

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D1K150000-417 Prep Batch #....: 1319417							
Sodium	50.0	49.2	mg/L	98	SW846 6010B	11/20/01	EN2W31AH
			Dilution Factor: 1				
			Analysis Time...: 21:54				
Calcium	50.0	48.5	mg/L	97	SW846 6010B	11/20/01	EN2W31AJ
			Dilution Factor: 1				
			Analysis Time...: 21:54				
Iron	1.00	0.988	mg/L	99	SW846 6010B	11/20/01	EN2W31AK
			Dilution Factor: 1				
			Analysis Time...: 21:54				
Magnesium	50.0	50.0	mg/L	100	SW846 6010B	11/20/01	EN2W31AL
			Dilution Factor: 1				
			Analysis Time...: 21:54				
Manganese	0.500	0.495	mg/L	99	SW846 6010B	11/20/01	EN2W31AM
			Dilution Factor: 1				
			Analysis Time...: 21:54				
Potassium	50.0	47.3	mg/L	95	SW846 6010B	11/20/01	EN2W31AN
			Dilution Factor: 1				
			Analysis Time...: 21:54				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: D1K130267

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D1K150000-495 Prep Batch #....: 1319495						
Iron	ND	0.10	mg/L	SW846 6010B	11/20/01	EN3AH1AA
		Dilution Factor: 1				
		Analysis Time...: 23:33				
Manganese	ND	0.010	mg/L	SW846 6010B	11/20/01	EN3AH1AC
		Dilution Factor: 1				
		Analysis Time...: 23:33				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: D1K130267

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D1K150000-417 Prep Batch #...: 1319417						
Calcium	ND	0.20	mg/L	SW846 6010B	11/20/01	EN2W31AC
		Dilution Factor: 1				
		Analysis Time...: 21:50				
Iron	ND	0.10	mg/L	SW846 6010B	11/20/01	EN2W31AD
		Dilution Factor: 1				
		Analysis Time...: 21:50				
Magnesium	ND	0.20	mg/L	SW846 6010B	11/20/01	EN2W31AE
		Dilution Factor: 1				
		Analysis Time...: 21:50				
Manganese	ND	0.010	mg/L	SW846 6010B	11/20/01	EN2W31AF
		Dilution Factor: 1				
		Analysis Time...: 21:50				
Potassium	ND	3.0	mg/L	SW846 6010B	11/20/01	EN2W31AG
		Dilution Factor: 1				
		Analysis Time...: 21:50				
Sodium	ND	5.0	mg/L	SW846 6010B	11/20/01	EN2W31AA
		Dilution Factor: 1				
		Analysis Time...: 21:50				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D1K130267

Matrix.....: WATER

Date Sampled...: 11/11/01 08:15 Date Received...: 11/13/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D1K130267-001 Prep Batch #...: 1319495						
Iron	NC,MSB	(92 - 114)		SW846 6010B	11/20/01	ENV291CE
	NC,MSB	(92 - 114)	(0-20)	SW846 6010B	11/20/01	ENV291CF
		Dilution Factor: 1				
		Analysis Time...: 23:49				
Manganese	103	(89 - 114)		SW846 6010B	11/20/01	ENV291CG
	106	(89 - 114) 1.4	(0-20)	SW846 6010B	11/20/01	ENV291CH
		Dilution Factor: 1				
		Analysis Time...: 23:49				

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: D1K130267

Matrix.....: WATER

Date Sampled....: 11/11/01 08:15 Date Received...: 11/13/01

PARAMETER	AMOUNT	SAMPLE AMT	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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MS Lot-Sample #: D1K130267-001 Prep Batch #....: 1319495

Iron	56.6	1.00	69.5	mg/L				SW846 6010B	11/20/01	ENV291CE
				Qualifiers: NC,MSB						
	56.6	1.00	70.5	mg/L				SW846 6010B	11/20/01	ENV291CF
				Qualifiers: NC,MSB						
				Dilution Factor: 1						
				Analysis Time...: 23:49						

Manganese	0.54	0.500	1.06	mg/L	103			SW846 6010B	11/20/01	ENV291CG
	0.54	0.500	1.07	mg/L	106	1.4		SW846 6010B	11/20/01	ENV291CH
				Dilution Factor: 1						
				Analysis Time...: 23:49						

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #....: D1K130267

Matrix.....: WATER

Date Sampled....: 11/11/01 08:15 Date Received...: 11/13/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D1K130267-001 Prep Batch #....: 1319417							
Calcium	91	(88 - 108)			SW846 6010B	11/20/01	ENV291A3
	98	(88 - 108) 1.8	(0-20)		SW846 6010B	11/20/01	ENV291A4
		Dilution Factor: 1					
		Analysis Time...: 22:05					
Iron	97	(92 - 114)			SW846 6010B	11/20/01	ENV291A5
	98	(92 - 114) 1.2	(0-20)		SW846 6010B	11/20/01	ENV291A6
		Dilution Factor: 1					
		Analysis Time...: 22:05					
Magnesium	101	(93 - 113)			SW846 6010B	11/20/01	ENV291A7
	102	(93 - 113) 0.37	(0-20)		SW846 6010B	11/20/01	ENV291A8
		Dilution Factor: 1					
		Analysis Time...: 22:05					
Manganese	97	(89 - 114)			SW846 6010B	11/20/01	ENV291A9
	99	(89 - 114) 1.3	(0-20)		SW846 6010B	11/20/01	ENV291CA
		Dilution Factor: 1					
		Analysis Time...: 22:05					
Potassium	97	(87 - 110)			SW846 6010B	11/20/01	ENV291CC
	97	(87 - 110) 0.55	(0-20)		SW846 6010B	11/20/01	ENV291CD
		Dilution Factor: 1					
		Analysis Time...: 22:05					
Sodium	101	(91 - 111)			SW846 6010B	11/20/01	ENV291A1
	101	(91 - 111) 0.10	(0-20)		SW846 6010B	11/20/01	ENV291A2
		Dilution Factor: 1					
		Analysis Time...: 22:05					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D1K130267

Matrix.....: WATER

Date Sampled...: 11/11/01 08:15 Date Received...: 11/13/01

PARAMETER	AMOUNT	AMT	AMOUNT	UNITS	PERCENT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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MS Lot-Sample #: D1K130267-001 Prep Batch #...: 1319417

Calcium

131	50.0	176	mg/L	91			SW846 6010B	11/20/01	ENV291A3
131	50.0	180	mg/L	98	1.8		SW846 6010B	11/20/01	ENV291A4

Dilution Factor: 1

Analysis Time...: 22:05

Iron

ND	1.00	0.974	mg/L	97			SW846 6010B	11/20/01	ENV291A5
ND	1.00	0.986	mg/L	98	1.2		SW846 6010B	11/20/01	ENV291A6

Dilution Factor: 1

Analysis Time...: 22:05

Magnesium

50.0	50.0	101	mg/L	101			SW846 6010B	11/20/01	ENV291A7
50.0	50.0	101	mg/L	102	0.37		SW846 6010B	11/20/01	ENV291A8

Dilution Factor: 1

Analysis Time...: 22:05

Manganese

0.020	0.500	0.507	mg/L	97			SW846 6010B	11/20/01	ENV291A9
0.020	0.500	0.514	mg/L	99	1.3		SW846 6010B	11/20/01	ENV291CA

Dilution Factor: 1

Analysis Time...: 22:05

Potassium

ND	50.0	51.2	mg/L	97			SW846 6010B	11/20/01	ENV291CC
ND	50.0	50.9	mg/L	97	0.55		SW846 6010B	11/20/01	ENV291CD

Dilution Factor: 1

Analysis Time...: 22:05

Sodium

43.7	50.0	93.9	mg/L	101			SW846 6010B	11/20/01	ENV291A1
43.7	50.0	94.0	mg/L	101	0.10		SW846 6010B	11/20/01	ENV291A2

Dilution Factor: 1

Analysis Time...: 22:05

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D1K130267

Matrix.....: WATER

	PERCENT	RECOVERY	RPD		PREPARATION-	PREP
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	ANALYSIS DATE	BATCH #
Ammonia as N		WO#:EN2A81AC-LCS/EN2A81AD-LCSD LCS Lot-Sample#: D1K150000-320				
	104	(90 - 110)		MCAWW 350.1	11/14/01	1319320
	106	(90 - 110)	1.2 (0-10)	MCAWW 350.1	11/14/01	1319320
		Dilution Factor: 1				
Nitrate-Nitrite		WO#:EN2XM1AC-LCS/EN2XM1AD-LCSD LCS Lot-Sample#: D1K150000-419				
	96	(90 - 110)		MCAWW 353.2	11/14/01	1319419
	96	(90 - 110)	0.0 (0-10)	MCAWW 353.2	11/14/01	1319419
		Dilution Factor: 1				
Total Alkalinity		WO#:EN9N21AC-LCS/EN9N21AD-LCSD LCS Lot-Sample#: D1K190000-547				
	99	(95 - 110)		MCAWW 310.1	11/19/01	1323547
	100	(95 - 110)	1.4 (0-10)	MCAWW 310.1	11/19/01	1323547
		Dilution Factor: 1				
Total Alkalinity		WO#:EN9N41AC-LCS/EN9N41AD-LCSD LCS Lot-Sample#: D1K190000-550				
	98	(95 - 110)		MCAWW 310.1	11/19/01	1323550
	108	(95 - 110)	9.5 (0-10)	MCAWW 310.1	11/19/01	1323550
		Dilution Factor: 1				
Total Alkalinity		WO#:EPEL61AD-LCS/EPEL61AE-LCSD LCS Lot-Sample#: D1K210000-372				
	100	(95 - 110)		MCAWW 310.1	11/20/01	1325372
	100	(95 - 110)	0.22 (0-10)	MCAWW 310.1	11/20/01	1325372
		Dilution Factor: 1				
Total Dissolved Solids		WO#:EPCLQ1AC-LCS/EPCLQ1AD-LCSD LCS Lot-Sample#: D1K150000-625				
	87	(86 - 106)		MCAWW 160.1	11/15/01	1319625
	88	(86 - 106)	0.91 (0-20)	MCAWW 160.1	11/15/01	1319625
		Dilution Factor: 1				
Total Organic Carbon		WO#:EPG551AC-LCS/EPG551AD-LCSD LCS Lot-Sample#: D1K260000-531				
	97	(90 - 110)		MCAWW 415.1	11/22-11/23/01	1330531
	98	(90 - 110)	1.0 (0-10)	MCAWW 415.1	11/22-11/23/01	1330531
		Dilution Factor: 1				
Total Organic Carbon		WO#:EPG571AC-LCS/EPG571AD-LCSD LCS Lot-Sample#: D1K260000-527				
	97	(90 - 110)		MCAWW 415.1	11/22-11/23/01	1330527
	97	(90 - 110)	0.53 (0-10)	MCAWW 415.1	11/22/01	1330527
		Dilution Factor: 1				

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D1K130267

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>	<u>RPD</u> <u>LIMITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
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NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #....: D1K130267

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N								
							WO#: EN2A81AC-LCS/EN2A81AD-LCSD	LCS Lot-Sample#: D1K150000-320
	4.00	4.18	mg/L	104		MCAWW 350.1	11/14/01	1319320
	4.00	4.23	mg/L	106	1.2	MCAWW 350.1	11/14/01	1319320
							Dilution Factor: 1	
Nitrate-Nitrite								
							WO#: EN2XM1AC-LCS/EN2XM1AD-LCSD	LCS Lot-Sample#: D1K150000-419
	4.00	3.82	mg/L	96		MCAWW 353.2	11/14/01	1319419
	4.00	3.82	mg/L	96	0.0	MCAWW 353.2	11/14/01	1319419
							Dilution Factor: 1	
Total Alkalinity								
							WO#: EN9N21AC-LCS/EN9N21AD-LCSD	LCS Lot-Sample#: D1K190000-547
	185	183	mg/L	99		MCAWW 310.1	11/19/01	1323547
	185	185	mg/L	100	1.4	MCAWW 310.1	11/19/01	1323547
							Dilution Factor: 1	
Total Alkalinity								
							WO#: EN9N41AC-LCS/EN9N41AD-LCSD	LCS Lot-Sample#: D1K190000-550
	185	181	mg/L	98		MCAWW 310.1	11/19/01	1323550
	185	200	mg/L	108	9.5	MCAWW 310.1	11/19/01	1323550
							Dilution Factor: 1	
Total Alkalinity								
							WO#: EPEL61AD-LCS/EPEL61AE-LCSD	LCS Lot-Sample#: D1K210000-372
	185	185	mg/L	100		MCAWW 310.1	11/20/01	1325372
	185	184	mg/L	100	0.22	MCAWW 310.1	11/20/01	1325372
							Dilution Factor: 1	
Total Dissolved Solids								
							WO#: EPCLQ1AC-LCS/EPCLQ1AD-LCSD	LCS Lot-Sample#: D1K150000-625
	500	436	mg/L	87		MCAWW 160.1	11/15/01	1319625
	500	440	mg/L	88	0.91	MCAWW 160.1	11/15/01	1319625
							Dilution Factor: 1	
Total Organic Carbon								
							WO#: EPG551AC-LCS/EPG551AD-LCSD	LCS Lot-Sample#: D1K260000-531
	25.0	24.2	mg/L	97		MCAWW 415.1	11/22-11/23/01	1330531
	25.0	24.5	mg/L	98	1.0	MCAWW 415.1	11/22-11/23/01	1330531
							Dilution Factor: 1	
Total Organic Carbon								
							WO#: EPG571AC-LCS/EPG571AD-LCSD	LCS Lot-Sample#: D1K260000-527
	25.0	24.3	mg/L	97		MCAWW 415.1	11/22-11/23/01	1330527
	25.0	24.2	mg/L	97	0.53	MCAWW 415.1	11/22/01	1330527
							Dilution Factor: 1	

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #....: D1K130267

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
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NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D1K130267

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	100	Work Order #: EPADR1AC (92 - 109)	LCS Lot-Sample#: D1K200000-257 MCAWW 325.2	11/16/01	1324257
		Dilution Factor: 1			
		Analysis Time...: 13:00			
Sulfate	98	Work Order #: EPHC31AC (88 - 110)	LCS Lot-Sample#: D1K260000-633 MCAWW 375.4	11/26/01	1330633
		Dilution Factor: 1			
		Analysis Time...: 12:30			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #....: D1K130267

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	50.0	49.8	mg/L	100 MCAWW 325.2	11/16/01	1324257
Work Order #: EPADR1AC LCS Lot-Sample#: D1K200000-257						
Dilution Factor: 1						
Analysis Time...: 13:00						
Sulfate	25.0	24.6	mg/L	98 MCAWW 375.4	11/26/01	1330633
Work Order #: EPHC31AC LCS Lot-Sample#: D1K260000-633						
Dilution Factor: 1						
Analysis Time...: 12:30						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #....: D1K130267

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	ND	Work Order #: EN2A81AA 0.10	mg/L	MB Lot-Sample #: D1K150000-320 MCAWW 350.1	11/14/01	1319320
		Dilution Factor: 1 Analysis Time...: 08:00				
Chloride	ND	Work Order #: EPADR1AA 2.5	mg/L	MB Lot-Sample #: D1K200000-257 MCAWW 325.2	11/16/01	1324257
		Dilution Factor: 1 Analysis Time...: 13:00				
Nitrate-Nitrite	ND	Work Order #: EN2XM1AA 0.10	mg/L	MB Lot-Sample #: D1K150000-419 MCAWW 353.2	11/14/01	1319419
		Dilution Factor: 1 Analysis Time...: 08:00				
Sulfate	ND	Work Order #: EPHC31AA 5.0	mg/L	MB Lot-Sample #: D1K260000-633 MCAWW 375.4	11/26/01	1330633
		Dilution Factor: 1 Analysis Time...: 12:30				
Total Alkalinity	ND	Work Order #: EN9N21AA 5.0	mg/L	MB Lot-Sample #: D1K190000-547 MCAWW 310.1	11/19/01	1323547
		Dilution Factor: 1 Analysis Time...: 14:00				
Total Alkalinity	ND	Work Order #: EN9N41AA 5.0	mg/L	MB Lot-Sample #: D1K190000-550 MCAWW 310.1	11/19/01	1323550
		Dilution Factor: 1 Analysis Time...: 18:00				
Total Alkalinity	ND	Work Order #: EPEL61AA 5.0	mg/L	MB Lot-Sample #: D1K210000-372 MCAWW 310.1	11/20/01	1325372
		Dilution Factor: 1 Analysis Time...: 16:00				
Total Dissolved Solids	ND	Work Order #: EPCLQ1AA 10.0	mg/L	MB Lot-Sample #: D1K150000-625 MCAWW 160.1	11/15/01	1319625
		Dilution Factor: 1 Analysis Time...: 12:00				
Total Organic Carbon	ND	Work Order #: EPG571AA 1.0	mg/L	MB Lot-Sample #: D1K260000-527 MCAWW 415.1	11/22-11/23/01	1330527
		Dilution Factor: 1 Analysis Time...: 00:00				

(Continued on next page)

METHOD BLANK REPORT

General Chemistry

Client Lot #....: D1K130267

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Total Organic Carbon	ND	Work Order #: EPG551AA		MB Lot-Sample #: D1K260000-531		
		1.0	mg/L	MCAWW 415.1	11/22-11/23/01	1330531
		Dilution Factor: 1				
		Analysis Time...: 04:00				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #....: D1K130267

Matrix.....: WATER

Date Sampled...: 11/14/01 10:01 Date Received...: 11/14/01

PARAMETER	PERCENT RECOVERY	RPD	PREPARATION-	PREP
	RECOVERY	LIMITS	ANALYSIS DATE	BATCH #
Ammonia as N		WO#: ENV3F1A1-MS/ENV3F1A2-MSD	MS Lot-Sample #:	D1K130267-003
	110	(90 - 110)	MCAWW 350.1	11/14/01 1319320
	109	(90 - 110) 0.53 (0-10)	MCAWW 350.1	11/14/01 1319320
		Dilution Factor: 1		
		Analysis Time...: 08:00		
Chloride		WO#: ENV3F1A5-MS/ENV3F1A6-MSD	MS Lot-Sample #:	D1K130267-003
	97	(92 - 109)	MCAWW 325.2	11/16/01 1324257
	99	(92 - 109) 0.50 (0-10)	MCAWW 325.2	11/16/01 1324257
		Dilution Factor: 1		
		Analysis Time...: 13:00		
Nitrate-Nitrite		WO#: ENV3F1A3-MS/ENV3F1A4-MSD	MS Lot-Sample #:	D1K130267-003
	96	(90 - 110)	MCAWW 353.2	11/14/01 1319419
	97	(90 - 110) 1.0 (0-10)	MCAWW 353.2	11/14/01 1319419
		Dilution Factor: 1		
		Analysis Time...: 08:00		
Sulfate		WO#: EN1111AV-MS/EN1111AW-MSD	MS Lot-Sample #:	D1K150147-001
	96	(88 - 110)	MCAWW 375.4	11/26/01 1330633
	94	(88 - 110) 1.1 (0-11)	MCAWW 375.4	11/26/01 1330633
		Dilution Factor: 1		
		Analysis Time...: 12:30		
Total Organic Carbon		WO#: ENV371A1-MS/ENV371A2-MSD	MS Lot-Sample #:	D1K130267-015
	101	(90 - 110)	MCAWW 415.1	11/22-11/23/01 1330531
	102	(90 - 110) 0.88 (0-10)	MCAWW 415.1	11/22-11/23/01 1330531
		Dilution Factor: 1		
		Analysis Time...: 07:00		
Total Organic Carbon		WO#: EN16X1CM-MS/EN16X1CN-MSD	MS Lot-Sample #:	D1K150169-002
	99	(90 - 110)	MCAWW 415.1	11/22-11/23/01 1330523
	97	(90 - 110) 1.9 (0-10)	MCAWW 415.1	11/22-11/23/01 1330523
		Dilution Factor: 1		
		Analysis Time...: 00:00		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #....: D1K130267

Matrix.....: WATER

Date Sampled...: 11/14/01 10:01 Date Received...: 11/14/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	0.13	5.00	5.63	mg/L	110		MCAWW 350.1	11/14/01	1319320
	0.13	5.00	5.60	mg/L	109	0.53	MCAWW 350.1	11/14/01	1319320
Dilution Factor: 1									
Analysis Time...: 08:00									
Chloride	80.8	50.0	129	mg/L	97		MCAWW 325.2	11/16/01	1324257
	80.8	50.0	130	mg/L	99	0.50	MCAWW 325.2	11/16/01	1324257
Dilution Factor: 1									
Analysis Time...: 13:00									
Nitrate-Nitrite	ND	5.00	4.87	mg/L	96		MCAWW 353.2	11/14/01	1319419
	ND	5.00	4.92	mg/L	97	1.0	MCAWW 353.2	11/14/01	1319419
Dilution Factor: 1									
Analysis Time...: 08:00									
Sulfate	10.3	25.0	34.2	mg/L	96		MCAWW 375.4	11/26/01	1330653
	10.3	25.0	33.8	mg/L	94	1.1	MCAWW 375.4	11/26/01	1330653
Dilution Factor: 1									
Analysis Time...: 12:30									
Total Organic Carbon	2.8	25.0	28.0	mg/L	101		MCAWW 415.1	11/22-11/23/01	1330531
	2.8	25.0	28.2	mg/L	102	0.88	MCAWW 415.1	11/22-11/23/01	1330531
Dilution Factor: 1									
Analysis Time...: 07:00									
Total Organic Carbon	2.5	25.0	27.1	mg/L	99		MCAWW 415.1	11/22-11/23/01	1330523
	2.5	25.0	26.6	mg/L	97	1.9	MCAWW 415.1	11/22-11/23/01	1330523
Dilution Factor: 1									
Analysis Time...: 00:00									

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: D1K130267

Work Order #....: ENV3L-SMP
ENV3L-DUP

Matrix.....: WATER

Date Sampled...: 11/11/01 10:35

Date Received...: 11/13/01

% Moisture.....:

Dilution Factor:

Initial Wgt/Vol:

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Alkalinity	285	284	mg/L	0.37	(0-10)	MCAWW 310.1	11/19/01	1323547
Dilution Factor: 1						Analysis Time...: 14:00		
						SD Lot-Sample #: D1K130267-006		

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: D1K130267

Work Order #....: ENR1K-SMP
ENR1K-DUP

Matrix.....: WATER

Date Sampled....: 11/09/01 13:30

Date Received...: 11/12/01

% Moisture.....: 100

Dilution Factor:

Initial Wgt/Vol:

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Alkalinity	164	166	mg/L	0.74	(0-10)	MCAWW 310.1	11/19/01	1323551

SD Lot-Sample #: D1K120213-007
Dilution Factor: 1
Analysis Time...: 18:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: D1K130267

Work Order #....: EN678-SMP
EN678-DUP

Matrix.....: WATER

Date Sampled....: 11/16/01 16:10

Date Received...: 11/17/01

% Moisture.....: 100

Dilution Factor:

Initial Wgt/Vol:

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Alkalinity	975	956	mg/L	1.9	(0-10)	MCAWW 310.1	11/20/01	1325370
Dilution Factor: 1						Analysis Time...: 16:00		
						SD Lot-Sample #: D1K170141-002		

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: D1K130267

Work Order #....: ENV29-SMP
ENV29-DUP

Matrix.....: WATER

Date Sampled....: 11/11/01 08:15

Date Received...: 11/13/01

% Moisture.....:

Dilution Factor:

Initial Wgt/Vol:

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids	1040 G	910 G	mg/L	13	(0-20)	MCAWW 160.1	11/15/01	1319625
			Dilution Factor: 2		Analysis Time...: 12:00			

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

HOLD TIME REPORT

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GCMS VOA

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K130267001	SK-1S	11/11/01	08:15							
			8260B		8		14		11/19/01 12:34	VOA
D1K130267002	SK-1D	11/11/01	07:45							
			8260B		8		14		11/19/01 13:53	VOA
D1K130267003	SK-2S	11/11/01	11:00							
			8260B		8		14		11/19/01 14:19	VOA
D1K130267004	SK-2D	11/11/01	11:30							
			8260B		8		14		11/19/01 14:44	VOA
D1K130267005	SK-3S	11/11/01	10:05							
			8260B		8		14		11/19/01 15:10	VOA
D1K130267006	SK-3D	11/11/01	10:35							
			8260B		9		14		11/20/01 13:12	VOA
D1K130267007	SK-4S	11/11/01	09:40							
			8260B		8		14		11/19/01 16:03	VOA
D1K130267008	SK-4D	11/11/01	15:15							
			8260B		9		14		11/20/01 13:39	VOA
D1K130267009	SK-5S	11/11/01	12:05							
			8260B		8		14		11/19/01 16:56	VOA
D1K130267010	SK-5D	11/11/01	12:35							
			8260B		9		14		11/20/01 11:55	VOA
D1K130267011	SK-6S	11/11/01	07:15							
			8260B		8		14		11/19/01 17:46	VOA
D1K130267012	SK-10S	11/11/01	14:15							
			8260B		8		14		11/19/01 18:12	VOA
D1K130267013	SK-25D	11/11/01	13:00							
			8260B		8		14		11/19/01 18:37	VOA
D1K130267014	SK-26S	11/11/01	13:30							
			8260B		8		14		11/19/01 19:03	VOA
D1K130267015	SK-27S	11/11/01	14:00							
			8260B		8		14		11/19/01 19:19	VOA
D1K130267016	TB-04	11/11/01	00:00							
			8260B		8		14		11/19/01 19:55	VOA
D1K130267017	TB-05	11/11/01	00:00							
			8260B		8		14		11/19/01 20:21	VOA
D1K130267018	SK-28S	11/11/01	14:30							
			8260B		8		14		11/19/01 20:47	VOA

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GC VOA

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K130267001	SK-1S	11/11/01	08:15							
			SOP-175		10		14		11/21/01	03:10
D1K130267002	SK-1D	11/11/01	07:45							
			SOP-175		10		14		11/21/01	03:12
D1K130267003	SK-2S	11/11/01	11:00							
			SOP-175		10		14		11/21/01	03:15
			SOP-175		10		14		11/21/01	03:21
D1K130267004	SK-2D	11/11/01	11:30							
			SOP-175		10		14		11/21/01	03:27
D1K130267005	SK-3S	11/11/01	10:05							
			SOP-175		10		14		11/21/01	03:30
D1K130267006	SK-3D	11/11/01	10:35							
			SOP-175		10		14		11/21/01	03:33
D1K130267007	SK-4S	11/11/01	09:40							
			SOP-175		10		14		11/21/01	03:35
D1K130267008	SK-4D	11/11/01	15:15							
			SOP-175		10		14		11/21/01	03:38
D1K130267009	SK-5S	11/11/01	12:05							
			SOP-175		10		14		11/21/01	03:41
			SOP-175		10		14		11/21/01	03:47
D1K130267010	SK-5D	11/11/01	12:35							
			SOP-175		10		14		11/21/01	03:53
D1K130267011	SK-6S	11/11/01	07:15							
			SOP-175		10		14		11/21/01	03:56
D1K130267012	SK-10S	11/11/01	14:15							
			SOP-175		10		14		11/21/01	04:02
D1K130267013	SK-25D	11/11/01	13:00							
			SOP-175		10		14		11/21/01	04:09
D1K130267014	SK-26S	11/11/01	13:30							
			SOP-175		10		14		11/21/01	04:11
D1K130267015	SK-27S	11/11/01	14:00							
			SOP-175		10		14		11/21/01	04:15
D1K130267018	SK-28S	11/11/01	14:30							
			SOP-175		10		14		11/21/01	04:25
			SOP-175		10		14		11/21/01	04:45

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: METALS

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K130267001	SK-1S	11/11/01	08:15							
			6010B		9		180		11/20/01 21:58	ICP
			6010B		9		180		11/20/01 23:41	ICP
D1K130267002	SK-1D	11/11/01	07:45							
			6010B		9		180		11/20/01 22:13	ICP
			6010B		9		180		11/20/01 23:56	ICP
D1K130267003	SK-2S	11/11/01	11:00							
			6010B		9		180		11/20/01 22:17	ICP
			6010B		10		180		11/21/01 00:00	ICP
D1K130267004	SK-2D	11/11/01	11:30							
			6010B		9		180		11/20/01 22:21	ICP
			6010B		10		180		11/21/01 00:04	ICP
D1K130267005	SK-3S	11/11/01	10:05							
			6010B		9		180		11/20/01 22:24	ICP
			6010B		10		180		11/21/01 00:08	ICP
D1K130267006	SK-3D	11/11/01	10:35							
			6010B		9		180		11/20/01 22:36	ICP
			6010B		10		180		11/21/01 00:19	ICP
D1K130267007	SK-4S	11/11/01	09:40							
			6010B		9		180		11/20/01 22:40	ICP
			6010B		10		180		11/21/01 00:23	ICP
D1K130267008	SK-4D	11/11/01	15:15							
			6010B		9		180		11/20/01 22:44	ICP
			6010B		10		180		11/21/01 00:27	ICP
D1K130267009	SK-5S	11/11/01	12:05							
			6010B		9		180		11/20/01 22:47	ICP
			6010B		10		180		11/21/01 00:31	ICP
D1K130267010	SK-5D	11/11/01	12:35							
			6010B		9		180		11/20/01 22:51	ICP
			6010B		10		180		11/21/01 00:35	ICP
D1K130267011	SK-6S	11/11/01	07:15							
			6010B		9		180		11/20/01 22:55	ICP
			6010B		10		180		11/21/01 00:38	ICP
D1K130267012	SK-10S	11/11/01	14:15							
			6010B		9		180		11/20/01 22:59	ICP
			6010B		10		180		11/21/01 00:42	ICP
D1K130267013	SK-25D	11/11/01	13:00							
			6010B		9		180		11/20/01 23:03	ICP
			6010B		10		180		11/21/01 00:46	ICP

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: METALS

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K130267014	SK-26S	11/11/01	13:30							
			6010B		9		180		11/20/01 23:07	ICP
			6010B		10		180		11/21/01 00:50	ICP
D1K130267015	SK-27S	11/11/01	14:00							
			6010B		9		180		11/20/01 23:10	ICP
			6010B		10		180		11/21/01 00:54	ICP
D1K130267018	SK-28S	11/11/01	14:30							
			6010B		9		180		11/20/01 23:22	ICP
			6010B		10		180		11/21/01 01:05	ICP

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GENERAL CHEMISTRY

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K130267001	SK-1S	11/11/01	08:15							
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			415.1		12		28		11/23/01 04:00	
			325.2		5		28		11/16/01 13:00	
			353.2		3		28		11/14/01 08:00	Nitrate-Nitrite
			160.1		4		7		11/15/01 12:00	TDS
			375.4		15		28		11/26/01 12:30	
D1K130267002	SK-1D	11/11/01	07:45							
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			415.1		12		28		11/23/01 04:00	
			325.2		5		28		11/16/01 13:00	
			353.2		3		28		11/14/01 08:00	Nitrate-Nitrite
			160.1		4		7		11/15/01 12:00	TDS
			375.4		15		28		11/26/01 12:30	
D1K130267003	SK-2S	11/11/01	11:00							
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			415.1		12		28		11/23/01 04:00	
			325.2		5		28		11/16/01 13:00	
			353.2		3		28		11/14/01 08:00	Nitrate-Nitrite
			160.1		4		7		11/15/01 12:00	TDS
			375.4		15		28		11/26/01 12:30	
D1K130267004	SK-2D	11/11/01	11:30							
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			415.1		12		28		11/23/01 05:00	
			325.2		5		28		11/16/01 13:00	
			353.2		3		28		11/14/01 08:00	Nitrate-Nitrite
			160.1		4		7		11/15/01 12:00	TDS
			375.4		15		28		11/26/01 12:30	

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GENERAL CHEMISTRY

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K130267005	SK-3S	11/11/01	10:05							
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			415.1		12		28		11/23/01 05:00	
			325.2		5		28		11/16/01 13:00	
			353.2		3		28		11/14/01 08:00	Nitrate-Nitrite
			160.1		4		7		11/15/01 12:00	TDS
			375.4		15		28		11/26/01 12:30	
D1K130267006	SK-3D	11/11/01	10:35							
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			415.1		12		28		11/23/01 05:00	
			325.2		5		28		11/16/01 13:00	
			353.2		3		28		11/14/01 08:00	Nitrate-Nitrite
			160.1		4		7		11/15/01 12:00	TDS
			375.4		15		28		11/26/01 12:30	
D1K130267007	SK-4S	11/11/01	09:40							
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			415.1		12		28		11/23/01 05:00	
			325.2		5		28		11/16/01 13:00	
			353.2		3		28		11/14/01 08:00	Nitrate-Nitrite
			160.1		4		7		11/15/01 12:00	TDS
			375.4		15		28		11/26/01 12:30	
D1K130267008	SK-4D	11/11/01	15:15							
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			415.1		12		28		11/23/01 05:00	
			325.2		5		28		11/16/01 13:00	
			353.2		3		28		11/14/01 08:00	Nitrate-Nitrite
			160.1		4		7		11/15/01 12:00	TDS
			375.4		15		28		11/26/01 12:30	

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GENERAL CHEMISTRY

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K130267009	SK-5S	11/11/01	12:05							
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			415.1		12		28		11/23/01 06:00	
			325.2		5		28		11/16/01 13:00	
			353.2		3		28		11/14/01 08:00	Nitrate-Nitrite
			160.1		4		7		11/15/01 12:00	TDS
			375.4		15		28		11/26/01 12:30	
D1K130267010	SK-5D	11/11/01	12:35							
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			415.1		12		28		11/23/01 06:00	
			325.2		5		28		11/16/01 13:00	
			353.2		3		28		11/14/01 08:00	Nitrate-Nitrite
			160.1		4		7		11/15/01 12:00	TDS
			375.4		15		28		11/26/01 12:30	
D1K130267011	SK-6S	11/11/01	07:15							
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			415.1		12		28		11/23/01 06:00	
			325.2		5		28		11/16/01 13:00	
			353.2		3		28		11/14/01 08:00	Nitrate-Nitrite
			160.1		4		7		11/15/01 12:00	TDS
			375.4		15		28		11/26/01 12:30	
D1K130267012	SK-10S	11/11/01	14:15							
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			415.1		12		28		11/23/01 06:00	
			325.2		5		28		11/16/01 13:00	
			353.2		3		28		11/14/01 08:00	Nitrate-Nitrite
			160.1		4		7		11/15/01 12:00	TDS
			375.4		15		28		11/26/01 12:30	

CAMERON-COLE LLC
Wichita, KS
HOLD TIME REPORT
Lab: GENERAL CHEMISTRY

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K130267013	SK-25D	11/11/01	13:00							
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			415.1		12		28		11/23/01 07:00	
			325.2		5		28		11/16/01 13:00	
			353.2		3		28		11/14/01 08:00	Nitrate-Nitrite
			160.1		4		7		11/15/01 12:00	TDS
			375.4		15		28		11/26/01 12:30	
D1K130267014	SK-26S	11/11/01	13:30							
			310.1		8		14		11/19/01 18:00	Alkalinity
			310.1		8		14		11/19/01 18:00	Alkalinity
			310.1		8		14		11/19/01 18:00	Alkalinity
			415.1		12		28		11/23/01 07:00	
			325.2		5		28		11/16/01 13:00	
			353.2		3		28		11/14/01 08:00	Nitrate-Nitrite
			160.1		4		7		11/15/01 12:00	TDS
			375.4		15		28		11/26/01 12:30	
D1K130267015	SK-27S	11/11/01	14:00							
			310.1		8		14		11/19/01 18:00	Alkalinity
			310.1		8		14		11/19/01 18:00	Alkalinity
			310.1		8		14		11/19/01 18:00	Alkalinity
			415.1		12		28		11/23/01 07:00	
			325.2		5		28		11/16/01 13:00	
			353.2		3		28		11/14/01 08:00	Nitrate-Nitrite
			160.1		4		7		11/15/01 12:00	TDS
			375.4		15		28		11/26/01 12:30	
D1K130267018	SK-28S	11/11/01	14:30							
			310.1		9		14		11/20/01 16:00	Alkalinity
			310.1		9		14		11/20/01 16:00	Alkalinity
			310.1		9		14		11/20/01 16:00	Alkalinity
			415.1		12		28		11/23/01 18:00	
			325.2		5		28		11/16/01 13:00	
			353.2		3		28		11/14/01 08:00	Nitrate-Nitrite
			160.1		4		7		11/15/01 12:00	TDS
			375.4		15		28		11/26/01 12:30	

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

SEVERN
TRENT
SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (1200)		DEN (0900)		Project Manager Kay Tauscher (Cameron-Cole)		Date 11/12/01		Chain of Custody Number 090688															
Client Safety-Kleen (Wichita) Inc. Facility				Telephone Number (Area Code)/Fax Number 303-938-5535 / 303-938-5520				Lab Number															
Address 2549 North New York Avenue				City Wichita				State KS															
Zip Code 67219				Site Contact Russell Dunn		Lab Contact Kate Yoder		Page 1 of 1															
Project Name and Location (State) S-K Wichita Facility, Wichita, KS				Carrier/Waybill Number		Analysis (Attach list if more space is needed)																	
Contract/Purchase Order/Quote No.				Matrix		Containers & Preservatives																	
Sample I.D. No. and Description (Containers for each sample may be combined on one line)		Date	Time	Air	Aqueous	Sed	Soil	Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc2	NaOH	HNO3	VOL	TDS/AL/CL/SO4	Dissolved Gases	Total Metals	Dissolved Metals	TOC/NH3/N-N	Special Instructions/ Conditions of Receipt	
SK-15	11/11/01	0815		X				1	1		6					2	3	1	3	1	1		
SK-1D		0745		X				1	1		6					2	3	1	3	1	1		
SK-2S				X				1	1		6					2	3	1	3	1	1		
SK-2D				X				1	1		6					2	3	1	3	1	1		
SK-3S				X				1	1		6					2	3	1	3	1	1		
SK-3D				X				1	1		6					2	3	1	3	1	1		
SK-4S				X				1	1		6					2	3	1	3	1	1		
SK-4D				X				1	1		6					2	3	1	3	1	1		
SK-5S				X				1	1		6					2	3	1	3	1	1		
SK-5D				X				1	1		6					2	3	1	3	1	1		
SK-6S		0715		X				1	1		6					2	3	1	3	1	1		
SK-10S		1415		X				1	1		6					2	3	1	3	1	1		

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client

☒ Disposal By Lab

☐ Archive For

Months

(A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other

QC Requirements (Specify)

1. Relinquished By Phil N. Carver	Date 11/12/01	Time 1800	1. Received By Jim Maty	Date 11/13/01	Time 1015
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

(2) Please call Kay Tauscher immediately with questions

DISTRIBUTION: - Stays with the Sample, CANARY - Returned to Client with Report, PINK - Field Copy

**SEVERN
TRENT
SERVICES**

STL Denver
4955 Yarrow Street
Arvada, CO 80002-4517

Tel: 303 736 0100
Fax: 303 431 7171
www.stl-inc.com

ANALYTICAL REPORT

SAFETY KLEEN (WICHITA, KS)

Lot #: D1K130262

Kay Tauscher

**Cameron-Cole LLC
5777 Central Avenue, Suite 100
Boulder, CO 80301**

SEVERN TRENT LABORATORIES, INC.



**Rae E. Yoder
Project Manager**

December 5, 2001

This report shall not be reproduced except in full, without the written approval of the laboratory

Invoice

STL Denver
4955 Yarrow Street
Arvada, CO 80002
(303) 421-6611
(303) 431-7171

Tel:
Fax:

REMIT
TO:

Severn Trent Laboratories, Inc.
P.O. Box 7777 W4305
Philadelphia, PA 19175-4305

Bill To:

John Arbuthnot
Safety Kleen Inc
13351 Scenic Highway
Baton Rouge, LA 70807

SEVERN

TRENT

SERVICES

Number

28032948

Date

05 DEC 01

STL Project Number

D1K130262

Customer Number

00408171

Terms

NET 30 DAYS

Customer Contact

SAMPLE RECEIVING DATE : 11/13/01

REPORT DATE : 12/05/01

Kay Tauscher

Cameron-Cole LLC
5777 Central Avenue
Suite 100
Boulder, CO 80301

Line No.	Qty.	Matrix Code	Analysis Description	Unit Price	Extended Price
7			WATER, Total Fe/Mn, 6010B	16.00	112.00
7			WATER, Dissolved Ca/Fe/K/Mg/Mn/Na, 6010B	48.00	336.00
7			WATER, Total Dissolved Solids, 160.1	8.00	56.00
7			WATER, Carbonate Alkalinity, 310.1	8.00	56.00
7			WATER, Chloride, 325.2	8.00	56.00
7			WATER, Nitrate-Nitrite, 353.2	8.00	56.00
7			WATER, Total Organic Carbon, 415.1	23.00	161.00
7			WATER, Sulfate, 375.4	10.00	70.00
7			WATER, Bicarbonate Alkalinity, 310.1	8.00	56.00
7			WATER, Total Alkalinity, 310.1	8.00	56.00
7			WATER, Ammonia Nitrogen, 350.1	8.00	56.00
7			WATER, Total Metals Digestion	3.00	21.00
7			WATER, Dissolved Metals Digestion	3.00	21.00
7			WATER, Dissolved Gases, RSK175	143.00	1,001.00
9			WATER, Volatile Organics, 8260B	97.00	873.00

NOTE: Applicable samples will be stored at no extra charge for a period of 30 days following the final report. Samples will be properly disposed of after 30 days, unless notified otherwise in writing.

Please reference Invoice number when remitting.

Customer P.O. Number / Contract Number / Reference

STL Project Manager
Kae Yoder

Salesperson

Sub Total
Tax
Total

2,987.00

DUPLICATE COPY

Severn Trent Laboratories, Inc

Table Of Contents

Standard Deliverables

Report Contents

Total Number of Pages

Standard Deliverables

The Cover Letter and the Report Cover page are considered integral parts of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.

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- Table of Contents
- Case Narrative
- Executive Summary – Detection Highlights
- Methods Summary
- Method/Analyst Summary
- Lot Sample Summary
- Analytical Results
- QC Data Association Summary
- Hold Time Report
- Chain-of-Custody

CASE NARRATIVE

Client Name: Safety-Kleen (Wichita)
 Project Name:
 Project Number:
 Sample Delivery Group: D1K130262
 Narrative Date: 12/05/01

Sample Receipt

- Seven water samples, one rinse blank and one field blank, submitted by Safety-Kleen (Wichita), Inc., were received by STL Denver on November 13, 2001, according to documented sample acceptance procedures. The samples were received intact at temperatures of 4.9°C, 4.8°C, 3.8°C, 3.4°C, 3.4°C and 3.6°C. Analyses requested on the associated chains-of-custody are as follows: GC/MS Volatiles, Dissolved Gases, Total Metals, Dissolved Metals and General Chemistry.
- As instructed by the client, the samples were analyzed for Sulfate Method 375.4, Ammonia as Nitrogen Method 350.1, and Nitrate-Nitrite Method 353.2 in addition to the other requested analyses, as the information on the chain-of-custody is incomplete.
- Sampling dates and times were taken directly from the sample container labels for several samples, as this information was not provided on the chain-of-custody.
- The Dissolved Gases analyses presented in this report were performed at the STL Austin facility.
- No other anomalies were encountered during sample receipt.

GC/MS Volatiles

- Sample analysis did not reveal any detected target analytes at or above Safety-Kleen (Wichita)'s RLs, with the exception of the items noted in the following table.

Sample ID	Parameter	Detection	RL	Units
SK-11S	1,1-Dichloroethane	2.0	1.0	ug/L
	1,1-Dichloroethene	1.4	1.0	ug/L
	cis-1,2-Dichloroethene	32	1.0	ug/L
	Tetrachloroethene	3.9	1.0	ug/L
	1,1,1-Trichloroethane	8.3	1.0	ug/L
	Trichloroethene	16	1.0	ug/L
HRI-03	Carbon Tetrachloride	6.4	4.0	ug/L
	cis-1,2-Dichloroethene	21	4.0	ug/L
	Trichloroethene	120	4.0	ug/L
WND-32	Carbon tetrachloride	6.6	1.0	ug/L
	Chloroform	32	1.0	ug/L
	cis-1,2-Dichloroethene	1.1	1.0	ug/L
	Methylene chloride	1.0	1.0	ug/L
	Trichloroethene	11	1.0	ug/L
MW-11	1,2,4-Trimethylbenzene	1.6	1.0	ug/L
	Isopropylbenzene	1.4	1.0	ug/L
	n-Propylbenzene	2.0	1.0	ug/L
	sec-Butylbenzene	2.5	1.0	ug/L
RSCI-1	Trichloroethene	4.9	1.0	ug/L

- The samples were analyzed within holding time and without incident, with the exception of the following items noted.
- Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. In some cases, due to interference or analytes present above the linear calibration curve, samples had to be analyzed at a dilution. For samples analyzed at a dilution, the reporting limits have been adjusted relative to the dilution required. The following table details the associated dilutions.

Sample ID	Dilution
HRI-03	1:4
MW-10	1:40
MW-14	1:40

- The method required MSD could not be performed for QC batch 1331356, due instrument failure. The associated MS data has been reported. All spike parameters were within QC control limits. Method precision and accuracy have been verified by the acceptable LCS/LCSD analysis data.

Dissolved Gases

- Sample analysis did not reveal any detected target analytes at or above Safety-Kleen (Wichita)'s RLs, with the exception of the items noted in the following table.

Sample ID	Parameter	Detection	RL	Units
SK-11S	Methane	3.1	0.50	ug/L
HRI-03	Methane	2.9	0.50	ug/L
WND-32	Methane	1.5	0.50	ug/L
MW-10	Ethane	0.60	0.50	ug/L
	Methane	610 E	0.50	ug/L
MW-10 RE	Methane	1900	25	ug/L
MW-11	Methane	680 E	0.50	ug/L
MW-11 RE	Methane	2700	50	ug/L
MW-14	Methane	500 E	0.50	ug/L
MW-14 RE	Methane	720	5.0	ug/L
RSCI-1	Methane	1.1	0.50	ug/L

- The samples were analyzed within holding time and without incident, with the exception of the following items noted.
- Samples MW-10, MW-11 and MW-14 exhibited concentrations that were above the linear calibration curve for Methane. The associated results in the analytical report have been flagged with an "E", as these are estimated results. Upon re-preparation and reanalysis of the samples at the necessary dilutions, all quality control acceptance criteria were met. Both the original and reanalysis data have been provided for comparison.
- The method required MS/MSD could not be reported for QC batch 1332458, due to system batching limitations. Method precision and accuracy have been verified by the acceptable LCS/LCSD analysis data.

Total and Dissolved Metals

- Sample analysis revealed detectable concentrations at or above Safety-Kleen (Wichita)'s RLs, as detailed in the Executive Summary-Detection Highlights Report. The samples were analyzed within holding time and without incident, with the exception of the following items noted.

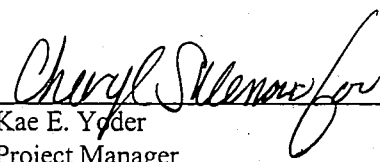
- Standard batch MS/MSD has been provided. Percent recoveries and RPD data could not be calculated, for the Dissolved Calcium MS/MSD associated with QC batch 1319418, due to the sample concentrations reading greater than four times the spike amount.

General Chemistry

- Sample analysis revealed detectable concentrations at or above Safety-Kleen (Wichita)'s RLs, as detailed in the Executive Summary-Detection Highlights Report. The samples were analyzed within holding time and without incident, with the exception of the following items noted.
- Each sample was analyzed to achieve the lowest possible reporting limits within the constraints of the method. Due to high target constituent concentration, the Sulfate analyses for samples SK-11S, HRI-03, WND-32, MW-11, MW-14 and RSCI-1 were performed at a 1:5 dilution. Associated results in the analytical report have been flagged with a "Q" and the reporting limits have been adjusted relative to the dilution required.
- Due to matrix interference, the Total Dissolved Solids analyses for samples SK-11S, WND-32, MW-10, MW-11 and MW-14 were performed at a dilution. Results in the analytical report have been flagged with a "G", and the reporting limit has been adjusted relative to the dilutions required.
- Please note that the Ammonia Nitrogen MS/MSD associated with QC batch 1319322 also supports QC batch 1319321. In addition, the Total Organic Carbon MS/MSD associated with QC batch 1330523 also supports QC batch 1330527.

These data and reporting limits are being used specifically to meet the needs of this project. All RLs are supported by STL Denver's Method Detection Limits (MDLs). Reporting limits in this report are at or above the MDL.

I certify that the data presented in this report are accurate, complete, and meets the minimum quality assurance standards in 40-CFR 136, 40-CFR 141, and/or SW846. The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. An assessment of the quality of the data, noting any exceptions, outliers, and/or problems encountered have been narrated herein.


Kae E. Yoder
Project Manager

12/5/01
Date

EXECUTIVE SUMMARY - Detection Highlights

DLK130262

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SK-11S 11/11/01 14:45 001				
Methane	3.1	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	66.0	0.20	mg/L	SW846 6010B
Magnesium - DISSOLVED	21.6	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	0.75	0.010	mg/L	SW846 6010B
Sodium - DISSOLVED	166	5.0	mg/L	SW846 6010B
Iron	0.20	0.10	mg/L	SW846 6010B
Manganese	0.65	0.010	mg/L	SW846 6010B
1,1-Dichloroethane	2.0	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	1.4	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	32	1.0	ug/L	SW846 8260B
Tetrachloroethene	3.9	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	8.3	1.0	ug/L	SW846 8260B
Trichloroethene	16	1.0	ug/L	SW846 8260B
Total Dissolved	704 G	40.0	mg/L	MCAWW 160.1
Solids				
Chloride	61.2	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	1.7	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	5.0	1.0	mg/L	MCAWW 415.1
Sulfate	193 Q	25.0	mg/L	MCAWW 375.4
Bicarbonate	351	5.0	mg/L	MCAWW 310.1
Alkalinity				
Total Alkalinity	351	5.0	mg/L	MCAWW 310.1
HRI-03 11/11/01 09:15 003				
Methane	2.9	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	133	0.20	mg/L	SW846 6010B
Magnesium - DISSOLVED	52.3	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	0.28	0.010	mg/L	SW846 6010B
Sodium - DISSOLVED	50.5	5.0	mg/L	SW846 6010B
Iron	0.33	0.10	mg/L	SW846 6010B
Manganese	0.34	0.010	mg/L	SW846 6010B
Carbon tetrachloride	6.4	4.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	21	4.0	ug/L	SW846 8260B
Trichloroethene	120	4.0	ug/L	SW846 8260B
Total Dissolved	798	10.0	mg/L	MCAWW 160.1
Solids				
Chloride	73.0	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	2.2	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	2.6	1.0	mg/L	MCAWW 415.1
Sulfate	215 Q	25.0	mg/L	MCAWW 375.4
Bicarbonate	338	5.0	mg/L	MCAWW 310.1
Alkalinity				

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

DIK130262

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HRI-03 11/11/01 09:15 003				
Total Alkalinity	338	5.0	mg/L	MCAWW 310.1
WND-32 11/11/01 13:20 004				
Methane	1.5	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	124	0.20	mg/L	SW846 6010B
Potassium - DISSOLVED	5.6	3.0	mg/L	SW846 6010B
Magnesium - DISSOLVED	30.6	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	3.3	0.010	mg/L	SW846 6010B
Sodium - DISSOLVED	78.8	5.0	mg/L	SW846 6010B
Iron	42.4	0.10	mg/L	SW846 6010B
Manganese	1.4	0.010	mg/L	SW846 6010B
Carbon tetrachloride	6.6	1.0	ug/L	SW846 8260B
Chloroform	32	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	1.1	1.0	ug/L	SW846 8260B
Methylene chloride	1.0	1.0	ug/L	SW846 8260B
Trichloroethene	11	1.0	ug/L	SW846 8260B
Total Dissolved Solids	925 G	50.0	mg/L	MCAWW 160.1
Chloride	68.7	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	6.3	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	2.5	1.0	mg/L	MCAWW 415.1
Sulfate	138 Q	25.0	mg/L	MCAWW 375.4
Bicarbonate Alkalinity	310	5.0	mg/L	MCAWW 310.1
Total Alkalinity	310	5.0	mg/L	MCAWW 310.1
MW-10 11/11/01 16:40 005				
Ethane	0.60	0.50	ug/L	RSK SOP-175
Methane	610 E	0.50	ug/L	RSK SOP-175
Methane	1900 D	25	ug/L	RSK SOP-175
Calcium - DISSOLVED	94.8	0.20	mg/L	SW846 6010B
Iron - DISSOLVED	2.2	0.10	mg/L	SW846 6010B
Potassium - DISSOLVED	3.3	3.0	mg/L	SW846 6010B
Magnesium - DISSOLVED	26.3	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	1.2	0.010	mg/L	SW846 6010B
Sodium - DISSOLVED	70.6	5.0	mg/L	SW846 6010B
Iron	391	0.10	mg/L	SW846 6010B
Manganese	7.1	0.010	mg/L	SW846 6010B
Total Dissolved Solids	940 G	200	mg/L	MCAWW 160.1
Chloride	39.9	2.5	mg/L	MCAWW 325.2

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D1K130262

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-10 11/11/01 16:40 005				
Nitrate-Nitrite	0.15	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	3.5	1.0	mg/L	MCAWW 415.1
Bicarbonate	448	5.0	mg/L	MCAWW 310.1
Alkalinity				
Total Alkalinity	448	5.0	mg/L	MCAWW 310.1
Ammonia as N	0.30	0.10	mg/L	MCAWW 350.1
MW-11 11/11/01 12:55 006				
Methane	680 E	0.50	ug/L	RSK SOP-175
Methane	2700 D	50	ug/L	RSK SOP-175
Calcium - DISSOLVED	135	0.20	mg/L	SW846 6010B
Iron - DISSOLVED	1.7	0.10	mg/L	SW846 6010B
Potassium - DISSOLVED	3.2	3.0	mg/L	SW846 6010B
Magnesium - DISSOLVED	17.1	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	0.86	0.010	mg/L	SW846 6010B
Sodium - DISSOLVED	24.3	5.0	mg/L	SW846 6010B
Iron	93.0	0.10	mg/L	SW846 6010B
Manganese	1.4	0.010	mg/L	SW846 6010B
1,2,4-Trimethylbenzene	1.6	1.0	ug/L	SW846 8260B
Isopropylbenzene	1.4	1.0	ug/L	SW846 8260B
n-Propylbenzene	2.0	1.0	ug/L	SW846 8260B
sec-Butylbenzene	2.5	1.0	ug/L	SW846 8260B
Total Dissolved	595 G	50.0	mg/L	MCAWW 160.1
Solids				
Chloride	10.2	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	0.46	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	3.6	1.0	mg/L	MCAWW 415.1
Sulfate	203 Q	25.0	mg/L	MCAWW 375.4
Bicarbonate	257	5.0	mg/L	MCAWW 310.1
Alkalinity				
Total Alkalinity	257	5.0	mg/L	MCAWW 310.1
Ammonia as N	0.13	0.10	mg/L	MCAWW 350.1
MW-14 11/11/01 16:15 007				
Methane	500 E	0.50	ug/L	RSK SOP-175
Methane	720 D	5.0	ug/L	RSK SOP-175
Calcium - DISSOLVED	136	0.20	mg/L	SW846 6010B
Iron - DISSOLVED	8.4	0.10	mg/L	SW846 6010B
Potassium - DISSOLVED	3.0	3.0	mg/L	SW846 6010B
Magnesium - DISSOLVED	36.1	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	3.1	0.010	mg/L	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

DIK130262

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-14 11/11/01 16:15 007				
Sodium - DISSOLVED	51.6	5.0	mg/L	SW846 6010B
Iron	396	0.10	mg/L	SW846 6010B
Manganese	6.2	0.010	mg/L	SW846 6010B
Total Dissolved Solids	540 G	200	mg/L	MCAWW 160.1
Chloride	43.4	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	0.18	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	4.5	1.0	mg/L	MCAWW 415.1
Sulfate	40.7	5.0	mg/L	MCAWW 375.4
Bicarbonate	496	5.0	mg/L	MCAWW 310.1
Alkalinity				
Total Alkalinity	496	5.0	mg/L	MCAWW 310.1
Ammonia as N	0.37	0.10	mg/L	MCAWW 350.1
RSCI-1 11/11/01 08:45 008				
Methane	1.1	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	143	0.20	mg/L	SW846 6010B
Magnesium - DISSOLVED	57.1	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	0.16	0.010	mg/L	SW846 6010B
Sodium - DISSOLVED	53.3	5.0	mg/L	SW846 6010B
Iron	4.2	0.10	mg/L	SW846 6010B
Manganese	0.50	0.010	mg/L	SW846 6010B
Trichloroethene	4.9	1.0	ug/L	SW846 8260B
Total Dissolved Solids	858	10.0	mg/L	MCAWW 160.1
Chloride	79.1	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	3.2	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	1.9	1.0	mg/L	MCAWW 415.1
Sulfate	231 Q	25.0	mg/L	MCAWW 375.4
Bicarbonate	337	5.0	mg/L	MCAWW 310.1
Alkalinity				
Total Alkalinity	337	5.0	mg/L	MCAWW 310.1

METHODS SUMMARY

D1K130262

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Alkalinity	MCAWW 310.1	MCAWW 310.1
Bicarbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Carbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Chloride (Colorimetric, Automated Ferricyanide)	MCAWW 325.2	MCAWW 325.2
Dissolved Gases in Water	RSK SOP-175	EPA-9 RSK-175
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3005A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3010A
Nitrate-Nitrite	MCAWW 353.2	MCAWW 353.2
Nitrogen, Ammonia	MCAWW 350.1	MCAWW 350.1
Sulfate	MCAWW 375.4	MCAWW 375.4
Total Organic Carbon	MCAWW 415.1	MCAWW 415.1
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

- MCAWW "Methods for Chemical Analysis of Water and Wastes",
EPA-600/4-79-020, March 1983 and subsequent revisions.
- RSK Sample Prep and Calculations for Dissolved Gas Analysis
in Water Samples Using a GC Headspace Equilibration
Technique, RSKSOP-175, REV. 0, 8/11/94, USEPA Research Lab
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

D1K130262

<u>ANALYTICAL METHOD</u>	<u>ANALYST</u>	<u>ANALYST ID</u>
MCAWW 160.1	Lisa Finkle	003889
MCAWW 310.1	Ewa Kudla	001167
MCAWW 325.2	Maria Fayard	002596
MCAWW 350.1	Sara Agner	008534
MCAWW 353.2	Sara Agner	008534
MCAWW 375.4	Maria Fayard	002596
MCAWW 415.1	Dave Elkin	000901
RSK SOP-175	William Jaycox	800012
SW846 6010B	Lynn-Anne Trudell	006645
SW846 6010B	Steve Mustain	006720
SW846 8260B	Dan Appelhans	001008
SW846 8260B	Mark McDaniel	000998

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes",
EPA-600/4-79-020, March 1983 and subsequent revisions.

RSK Sample Prep and Calculations for Dissolved Gas Analysis
in Water Samples Using a GC Headspace Equilibration
Technique, RSKSOP-175, REV. 0, 8/11/94, USEPA Research Lab

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

D1K130262

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
ENV0R	001	SK-11S	11/11/01	14:45
ENV1J	002	RB-111101	11/11/01	14:50
ENV1K	003	HRI-03	11/11/01	09:15
ENV10	004	WND-32	11/11/01	13:20
ENV11	005	MW-10	11/11/01	16:40
ENV14	006	MW-11	11/11/01	12:55
ENV16	007	MW-14	11/11/01	16:15
ENV18	008	RSCI-1	11/11/01	08:45
ENV2A	009	FB-111101	11/11/01	14:55

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

CAMERON-COLE LLC

Client Sample ID: SK-11S

GC/MS Volatiles

Lot-Sample #....: D1K130262-001 Work Order #....: ENV0R1AA
 Date Sampled....: 11/11/01 14:45 Date Received...: 11/13/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325424 Analysis Time...: 14:55
 Dilution Factor: 1

Matrix.....: WATER

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
n-Butylbenzene	ND	2.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	2.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	2.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	2.0	2.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	1.4	1.0	ug/L
cis-1,2-Dichloroethene	32	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Hexachlorobutadiene	ND	2.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: SK-11S

GC/MS Volatiles

Lot-Sample #....: D1K130262-001 Work Order #....: ENV0R1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	3.9	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	8.3	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	16	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	110	(80 - 120)
1,2-Dichloroethane-d4	114	(72 - 127)
4-Bromofluorobenzene	86	(79 - 119)
Toluene-d8	93	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: RB-111101

GC/MS Volatiles

Lot-Sample #....: D1K130262-002 Work Order #....: ENV1J1AA Matrix.....: WATER
 Date Sampled....: 11/11/01 14:50 Date Received...: 11/13/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325424 Analysis Time...: 15:19
 Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: RB-111101

GC/MS Volatiles

Lot-Sample #....: D1K130262-002 Work Order #....: ENV1J1AA

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	1.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	2.0	ug/L
	ND	1.0	ug/L
<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>	
Dibromofluoromethane	114	(80 - 120)	
1,2-Dichloroethane-d4	114	(72 - 127)	
4-Bromofluorobenzene	85	(79 - 119)	
Toluene-d8	96	(79 - 119)	

CAMERON-COLE LLC

Client Sample ID: HRI-03

GC/MS Volatiles

Lot-Sample #....: D1K130262-003 Work Order #....: ENV1K1AC Matrix.....: WATER
 Date Sampled....: 11/11/01 09:15 Date Received...: 11/13/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325424 Analysis Time...: 21:36
 Dilution Factor: 4

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
2-Chlorotoluene	ND	4.0	ug/L
4-Chlorotoluene	ND	4.0	ug/L
Dibromomethane	ND	4.0	ug/L
1,2-Dichlorobenzene	ND	4.0	ug/L
1,3-Dichlorobenzene	ND	4.0	ug/L
1,4-Dichlorobenzene	ND	4.0	ug/L
Dichlorodifluoromethane	ND	8.0	ug/L
Benzene	ND	4.0	ug/L
Bromobenzene	ND	4.0	ug/L
Bromochloromethane	ND	4.0	ug/L
Bromodichloromethane	ND	4.0	ug/L
Bromoform	ND	4.0	ug/L
Bromomethane	ND	8.0	ug/L
n-Butylbenzene	ND	4.0	ug/L
sec-Butylbenzene	ND	4.0	ug/L
tert-Butylbenzene	ND	4.0	ug/L
Carbon tetrachloride	6.4	4.0	ug/L
Chlorobenzene	ND	4.0	ug/L
Chlorodibromomethane	ND	4.0	ug/L
Chloroethane	ND	8.0	ug/L
Chloroform	ND	4.0	ug/L
Chloromethane	ND	8.0	ug/L
1,1-Dichloroethane	ND	4.0	ug/L
1,2-Dichloroethane	ND	4.0	ug/L
1,1-Dichloroethene	ND	4.0	ug/L
cis-1,2-Dichloroethene	21	4.0	ug/L
trans-1,2-Dichloroethene	ND	2.0	ug/L
1,2-Dichloropropane	ND	4.0	ug/L
1,3-Dichloropropane	ND	4.0	ug/L
2,2-Dichloropropane	ND	20	ug/L
1,1-Dichloropropene	ND	4.0	ug/L
Ethylbenzene	ND	4.0	ug/L
Trichlorofluoromethane	ND	8.0	ug/L
Hexachlorobutadiene	ND	4.0	ug/L
Isopropylbenzene	ND	4.0	ug/L
p-Isopropyltoluene	ND	4.0	ug/L
Methylene chloride	ND	4.0	ug/L
Naphthalene	ND	4.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: HRI-03

GC/MS Volatiles

Lot-Sample #....: D1K130262-003 Work Order #....: ENV1K1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	4.0	ug/L
Styrene	ND	4.0	ug/L
1,1,1,2-Tetrachloroethane	ND	4.0	ug/L
1,1,2,2-Tetrachloroethane	ND	4.0	ug/L
Tetrachloroethene	ND	4.0	ug/L
Toluene	ND	4.0	ug/L
1,2,3-Trichlorobenzene	ND	4.0	ug/L
1,2,4-Trichloro- benzene	ND	4.0	ug/L
1,1,1-Trichloroethane	ND	4.0	ug/L
1,1,2-Trichloroethane	ND	4.0	ug/L
Trichloroethene	120	4.0	ug/L
1,2,3-Trichloropropane	ND	4.0	ug/L
1,2,4-Trimethylbenzene	ND	4.0	ug/L
1,3,5-Trimethylbenzene	ND	4.0	ug/L
Vinyl chloride	ND	4.0	ug/L
o-Xylene	ND	4.0	ug/L
m-Xylene & p-Xylene	ND	4.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	8.0	ug/L
1,2-Dibromoethane (EDB)	ND	4.0	ug/L
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	
Dibromofluoromethane	114	(80 - 120)	
1,2-Dichloroethane-d4	120	(72 - 127)	
4-Bromofluorobenzene	83	(79 - 119)	
Toluene-d8	95	(79 - 119)	

CAMERON-COLE LLC

Client Sample ID: WND-32

GC/MS Volatiles

Lot-Sample #....: D1K130262-004 Work Order #....: ENV101AC Matrix.....: WATER
 Date Sampled....: 11/11/01 13:20 Date Received...: 11/13/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325424 Analysis Time...: 16:06
 Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	6.6	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	32	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	1.1	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: WND-32

GC/MS Volatiles

Lot-Sample #...: D1K130262-004 Work Order #...: ENV101AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	1.0	1.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	11	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	114	(80 - 120)
1,2-Dichloroethane-d4	119	(72 - 127)
4-Bromofluorobenzene	87	(79 - 119)
Toluene-d8	95	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: MW-10

GC/MS Volatiles

Lot-Sample #....: D1K130262-005 Work Order #....: ENV111AC Matrix.....: WATER
 Date Sampled....: 11/11/01 16:40 Date Received...: 11/13/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1331356 Analysis Time...: 19:50
 Dilution Factor: 40
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	40	ug/L
Bromobenzene	ND	40	ug/L
Bromochloromethane	ND	40	ug/L
Bromodichloromethane	ND	40	ug/L
Bromoform	ND	40	ug/L
Bromomethane	ND	80	ug/L
n-Butylbenzene	ND	40	ug/L
sec-Butylbenzene	ND	40	ug/L
tert-Butylbenzene	ND	40	ug/L
Carbon tetrachloride	ND	40	ug/L
Chlorobenzene	ND	40	ug/L
Chlorodibromomethane	ND	40	ug/L
Chloroethane	ND	80	ug/L
Chloroform	ND	40	ug/L
Chloromethane	ND	80	ug/L
2-Chlorotoluene	ND	40	ug/L
4-Chlorotoluene	ND	40	ug/L
Dibromomethane	ND	40	ug/L
1,2-Dichlorobenzene	ND	40	ug/L
1,3-Dichlorobenzene	ND	40	ug/L
1,4-Dichlorobenzene	ND	40	ug/L
Dichlorodifluoromethane	ND	80	ug/L
1,1-Dichloroethane	ND	40	ug/L
1,2-Dichloroethane	ND	40	ug/L
1,1-Dichloroethene	ND	40	ug/L
cis-1,2-Dichloroethene	ND	40	ug/L
trans-1,2-Dichloroethene	ND	20	ug/L
1,2-Dichloropropane	ND	40	ug/L
1,3-Dichloropropane	ND	40	ug/L
2,2-Dichloropropane	ND	200	ug/L
1,1-Dichloropropene	ND	40	ug/L
Ethylbenzene	ND	40	ug/L
Trichlorofluoromethane	ND	80	ug/L
Hexachlorobutadiene	ND	40	ug/L
Isopropylbenzene	ND	40	ug/L
p-Isopropyltoluene	ND	40	ug/L
Methylene chloride	ND	40	ug/L
Naphthalene	ND	40	ug/L

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CAMERON-COLE LLC

Client Sample ID: MW-10

GC/MS Volatiles

Lot-Sample #....: D1K130262-005 Work Order #....: ENV111AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	40	ug/L
Styrene	ND	40	ug/L
1,1,1,2-Tetrachloroethane	ND	40	ug/L
1,1,2,2-Tetrachloroethane	ND	40	ug/L
Tetrachloroethene	ND	40	ug/L
Toluene	ND	40	ug/L
1,2,3-Trichlorobenzene	ND	40	ug/L
1,2,4-Trichloro- benzene	ND	40	ug/L
1,1,1-Trichloroethane	ND	40	ug/L
1,1,2-Trichloroethane	ND	40	ug/L
Trichloroethene	ND	40	ug/L
1,2,3-Trichloropropane	ND	40	ug/L
1,2,4-Trimethylbenzene	ND	40	ug/L
1,3,5-Trimethylbenzene	ND	40	ug/L
Vinyl chloride	ND	40	ug/L
o-Xylene	ND	40	ug/L
m-Xylene & p-Xylene	ND	80	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	80	ug/L
1,2-Dibromoethane (EDB)	ND	40	ug/L
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	
Dibromofluoromethane	116	(80 - 120)	
1,2-Dichloroethane-d4	119	(72 - 127)	
4-Bromofluorobenzene	94	(79 - 119)	
Toluene-d8	117	(79 - 119)	

CAMERON-COLE LLC

Client Sample ID: MW-11

GC/MS Volatiles

Lot-Sample #....: D1K130262-006 Work Order #....: ENV141AC Matrix.....: WATER
 Date Sampled....: 11/11/01 12:55 Date Received...: 11/13/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325424 Analysis Time...: 22:00
 Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	1.6	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: MW-11

GC/MS Volatiles

Lot-Sample #....: D1K130262-006 Work Order #....: ENV141AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	1.4	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
n-Propylbenzene	2.0	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	2.5	1.0	ug/L
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	
Dibromofluoromethane	109	(80 - 120)	
1,2-Dichloroethane-d4	115	(72 - 127)	
4-Bromofluorobenzene	97	(79 - 119)	
Toluene-d8	90	(79 - 119)	

CAMERON-COLE LLC

Client Sample ID: MW-14

GC/MS Volatiles

Lot-Sample #....: D1K130262-007 Work Order #....: ENV161AC Matrix.....: WATER
 Date Sampled....: 11/11/01 16:15 Date Received...: 11/13/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1331356 Analysis Time...: 20:16
 Dilution Factor: 40

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	40	ug/L
Bromobenzene	ND	40	ug/L
Bromochloromethane	ND	40	ug/L
Bromodichloromethane	ND	40	ug/L
Bromoform	ND	40	ug/L
Bromomethane	ND	80	ug/L
n-Butylbenzene	ND	40	ug/L
sec-Butylbenzene	ND	40	ug/L
tert-Butylbenzene	ND	40	ug/L
Carbon tetrachloride	ND	40	ug/L
Chlorobenzene	ND	40	ug/L
Chlorodibromomethane	ND	40	ug/L
Chloroethane	ND	80	ug/L
Chloroform	ND	40	ug/L
Chloromethane	ND	80	ug/L
2-Chlorotoluene	ND	40	ug/L
4-Chlorotoluene	ND	40	ug/L
Dibromomethane	ND	40	ug/L
1,2-Dichlorobenzene	ND	40	ug/L
1,3-Dichlorobenzene	ND	40	ug/L
1,4-Dichlorobenzene	ND	40	ug/L
Dichlorodifluoromethane	ND	80	ug/L
1,1-Dichloroethane	ND	40	ug/L
1,2-Dichloroethane	ND	40	ug/L
1,1-Dichloroethene	ND	40	ug/L
cis-1,2-Dichloroethene	ND	40	ug/L
trans-1,2-Dichloroethene	ND	20	ug/L
1,2-Dichloropropane	ND	40	ug/L
1,3-Dichloropropane	ND	40	ug/L
2,2-Dichloropropane	ND	200	ug/L
1,1-Dichloropropene	ND	40	ug/L
Ethylbenzene	ND	40	ug/L
Trichlorofluoromethane	ND	80	ug/L
Hexachlorobutadiene	ND	40	ug/L
Isopropylbenzene	ND	40	ug/L
p-Isopropyltoluene	ND	40	ug/L
Methylene chloride	ND	40	ug/L
Naphthalene	ND	40	ug/L

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CAMERON-COLE LLC

Client Sample ID: MW-14

GC/MS Volatiles

Lot-Sample #....: D1K130262-007 Work Order #....: ENV161AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	40	ug/L
Styrene	ND	40	ug/L
1,1,1,2-Tetrachloroethane	ND	40	ug/L
1,1,2,2-Tetrachloroethane	ND	40	ug/L
Tetrachloroethene	ND	40	ug/L
Toluene	ND	40	ug/L
1,2,3-Trichlorobenzene	ND	40	ug/L
1,2,4-Trichloro- benzene	ND	40	ug/L
1,1,1-Trichloroethane	ND	40	ug/L
1,1,2-Trichloroethane	ND	40	ug/L
Trichloroethene	ND	40	ug/L
1,2,3-Trichloropropane	ND	40	ug/L
1,2,4-Trimethylbenzene	ND	40	ug/L
1,3,5-Trimethylbenzene	ND	40	ug/L
Vinyl chloride	ND	40	ug/L
o-Xylene	ND	40	ug/L
m-Xylene & p-Xylene	ND	80	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	80	ug/L
1,2-Dibromoethane (EDB)	ND	40	ug/L
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	
Dibromofluoromethane	114	(80 - 120)	
1,2-Dichloroethane-d4	120	(72 - 127)	
4-Bromofluorobenzene	96	(79 - 119)	
Toluene-d8	113	(79 - 119)	

CAMERON-COLE LLC

Client Sample ID: RSCI-1

GC/MS Volatiles

Lot-Sample #....: D1K130262-008 Work Order #....: ENV181AC Matrix.....: WATER
 Date Sampled....: 11/11/01 08:45 Date Received...: 11/13/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325424 Analysis Time...: 17:40
 Dilution Factor: 1
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: RSCI-1

GC/MS Volatiles

Lot-Sample #....: D1K130262-008

Work Order #....: ENV181AC

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	4.9	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	
Dibromofluoromethane	112	(80 - 120)	
1,2-Dichloroethane-d4	119	(72 - 127)	
4-Bromofluorobenzene	84	(79 - 119)	
Toluene-d8	94	(79 - 119)	

CAMERON-COLE LLC

Client Sample ID: FB-111101

GC/MS Volatiles

Lot-Sample #....: D1K130262-009 Work Order #....: ENV2A1AA
 Date Sampled....: 11/11/01 14:55 Date Received...: 11/13/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325424 Analysis Time...: 18:04
 Dilution Factor: 1

Matrix.....: WATER

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: FB-111101

GC/MS Volatiles

Lot-Sample #....: D1K130262-009 Work Order #....: ENV2A1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	
Dibromofluoromethane	112	(80 - 120)	
1,2-Dichloroethane-d4	117	(72 - 127)	
4-Bromofluorobenzene	83	(79 - 119)	
Toluene-d8	94	(79 - 119)	

CAMERON-COLE LLC

Client Sample ID: SK-11S

GC Volatiles

Lot-Sample #....: D1K130262-001 Work Order #....: ENV0R1AC Matrix.....: WATER
Date Sampled....: 11/11/01 14:45 Date Received...: 11/13/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332458 Analysis Time...: 08:57
Dilution Factor: 1

Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	3.1	0.50	ug/L

CAMERON-COLE LLC

Client Sample ID: HRI-03

GC Volatiles

Lot-Sample #....: D1K130262-003 Work Order #....: ENV1K1AD Matrix.....: WATER
Date Sampled....: 11/11/01 09:15 Date Received...: 11/13/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332458 Analysis Time...: 08:59
Dilution Factor: 1
Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	2.9	0.50	ug/L

CAMERON-COLE LLC

Client Sample ID: WND-32

GC Volatiles

Lot-Sample #....: D1K130262-004 Work Order #....: ENV101AD Matrix.....: WATER
Date Sampled....: 11/11/01 13:20 Date Received...: 11/13/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332458 Analysis Time...: 09:02
Dilution Factor: 1

Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	1.5	0.50	ug/L

CAMERON-COLE LLC

Client Sample ID: MW-10

GC Volatiles

Lot-Sample #....: D1K130262-005 Work Order #....: ENV111AD
Date Sampled....: 11/11/01 16:40 Date Received...: 11/13/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332458 Analysis Time...: 09:08
Dilution Factor: 1

Matrix.....: WATER

Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	0.60	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	610 E	0.50	ug/L

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

CAMERON-COLE LLC

Client Sample ID: MW-10

GC Volatiles

Lot-Sample #....: D1K130262-005 Work Order #....: ENV112AD Matrix.....: WATER
Date Sampled....: 11/11/01 16:40 Date Received...: 11/13/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332464 Analysis Time...: 13:02
Dilution Factor: 50
Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	25	ug/L
Ethene	ND	25	ug/L
Methane	1900 D	25	ug/L

NOTE(S) :

D Result was obtained from the analysis of a dilution.

CAMERON-COLE LLC

Client Sample ID: MW-11

GC Volatiles

Lot-Sample #....: D1K130262-006 Work Order #....: ENV141AD Matrix.....: WATER
Date Sampled....: 11/11/01 12:55 Date Received...: 11/13/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332458 Analysis Time...: 09:14
Dilution Factor: 1
Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	680 E	0.50	ug/L

NOTE(S) :

E Estimated result. Result concentration exceeds the calibration range.

CAMERON-COLE LLC

Client Sample ID: MW-11

GC Volatiles

Lot-Sample #....: D1K130262-006 Work Order #....: ENV142AD Matrix.....: WATER
Date Sampled....: 11/11/01 12:55 Date Received...: 11/13/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332464 Analysis Time...: 13:08
Dilution Factor: 100
Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Ethane	ND	50	ug/L
Ethene	ND	50	ug/L
Methane	2700 D	50	ug/L

NOTE(S):

D Result was obtained from the analysis of a dilution.

CAMERON-COLE LLC

Client Sample ID: MW-14

GC Volatiles

Lot-Sample #....: D1K130262-007 Work Order #....: ENV161AD
Date Sampled....: 11/11/01 16:15 Date Received...: 11/13/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332464 Analysis Time...: 10:09
Dilution Factor: 1

Matrix.....: WATER

Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	500 E	0.50	ug/L

NOTE(S) :

E Estimated result. Result concentration exceeds the calibration range.

CAMERON-COLE LLC

Client Sample ID: MW-14

GC Volatiles

Lot-Sample #....: D1K130262-007 Work Order #....: ENV162AD Matrix.....: WATER
Date Sampled....: 11/11/01 16:15 Date Received...: 11/13/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332464 Analysis Time...: 10:28
Dilution Factor: 10
Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	5.0	ug/L
Ethene	ND	5.0	ug/L
Methane	720 D	5.0	ug/L

NOTE(S) :

D Result was obtained from the analysis of a dilution.

CAMERON-COLE LLC

Client Sample ID: RSCI-1

GC Volatiles

Lot-Sample #....: D1K130262-008 Work Order #....: ENV181AD Matrix.....: WATER
Date Sampled....: 11/11/01 08:45 Date Received...: 11/13/01
Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
Prep Batch #....: 1332464 Analysis Time...: 10:44
Dilution Factor: 1
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	1.1	0.50	ug/L

CAMERON-COLE LLC

Client Sample ID: SK-11S

TOTAL Metals

Lot-Sample #...: D1K130262-001

Matrix.....: WATER

Date Sampled...: 11/11/01 14:45 Date Received...: 11/13/01

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 1319483						
Iron	0.20	0.10	mg/L	SW846 6010B	11/15-11/20/01	ENV0R1AD
		Dilution Factor: 1		Analysis Time...: 12:08		
Manganese	0.65	0.010	mg/L	SW846 6010B	11/15-11/20/01	ENV0R1AE
		Dilution Factor: 1		Analysis Time...: 19:12		

CAMERON-COLE LLC

Client Sample ID: SK-11S

DISSOLVED Metals

Lot-Sample #...: D1K130262-001

Date Sampled...: 11/11/01 14:45 Date Received...: 11/13/01

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1319418						
Calcium	66.0	0.20	mg/L	SW846 6010B	11/19/01	ENV0R1AG
		Dilution Factor: 1		Analysis Time...: 15:33		
Iron	ND	0.10	mg/L	SW846 6010B	11/19/01	ENV0R1AH
		Dilution Factor: 1		Analysis Time...: 15:33		
Potassium	ND	3.0	mg/L	SW846 6010B	11/19/01	ENV0R1AL
		Dilution Factor: 1		Analysis Time...: 15:33		
Magnesium	21.6	0.20	mg/L	SW846 6010B	11/19/01	ENV0R1AJ
		Dilution Factor: 1		Analysis Time...: 15:33		
Manganese	0.75	0.010	mg/L	SW846 6010B	11/19/01	ENV0R1AK
		Dilution Factor: 1		Analysis Time...: 15:33		
Sodium	166	5.0	mg/L	SW846 6010B	11/19/01	ENV0R1AF
		Dilution Factor: 1		Analysis Time...: 15:33		

CAMERON-COLE LLC

Client Sample ID: HRI-03

TOTAL Metals

Lot-Sample #....: D1K130262-003

Matrix.....: WATER

Date Sampled....: 11/11/01 09:15 Date Received...: 11/13/01

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #....: 1319483						
Iron	0.33	0.10	mg/L	SW846 6010B	11/15-11/20/01	ENVIK1AE
		Dilution Factor: 1		Analysis Time...: 12:12		
Manganese	0.34	0.010	mg/L	SW846 6010B	11/15-11/20/01	ENVIK1AF
		Dilution Factor: 1		Analysis Time...: 19:18		

CAMERON-COLE LLC

Client Sample ID: HRI-03

DISSOLVED Metals

Lot-Sample #...: D1K130262-003

Matrix.....: WATER

Date Sampled...: 11/11/01 09:15 Date Received...: 11/13/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1319418						
Calcium	133	0.20	mg/L	SW846 6010B	11/19/01	ENV1K1AH
		Dilution Factor: 1		Analysis Time...: 15:37		
Iron	ND	0.10	mg/L	SW846 6010B	11/19/01	ENV1K1AJ
		Dilution Factor: 1		Analysis Time...: 15:37		
Potassium	ND	3.0	mg/L	SW846 6010B	11/19/01	ENV1K1AM
		Dilution Factor: 1		Analysis Time...: 15:37		
Magnesium	52.3	0.20	mg/L	SW846 6010B	11/19/01	ENV1K1AK
		Dilution Factor: 1		Analysis Time...: 15:37		
Manganese	0.28	0.010	mg/L	SW846 6010B	11/19/01	ENV1K1AL
		Dilution Factor: 1		Analysis Time...: 15:37		
Sodium	50.5	5.0	mg/L	SW846 6010B	11/19/01	ENV1K1AG
		Dilution Factor: 1		Analysis Time...: 15:37		

CAMERON-COLE LLC

Client Sample ID: WND-32

TOTAL Metals

Lot-Sample #....: D1K130262-004

Matrix.....: WATER

Date Sampled....: 11/11/01 13:20 Date Received...: 11/13/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1319483						
Iron	42.4	0.10	mg/L	SW846 6010B	11/15-11/20/01	ENV101AE
		Dilution Factor: 1		Analysis Time...: 12:16		
Manganese	1.4	0.010	mg/L	SW846 6010B	11/15-11/20/01	ENV101AF
		Dilution Factor: 1		Analysis Time...: 19:24		

CAMERON-COLE LLC

Client Sample ID: WND-32

DISSOLVED Metals

Lot-Sample #...: D1K130262-004

Date Sampled...: 11/11/01 13:20 Date Received...: 11/13/01

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1319418						
Calcium	124	0.20	mg/L	SW846 6010B	11/19/01	ENV101AH
		Dilution Factor: 1		Analysis Time...: 15:48		
Iron	ND	0.10	mg/L	SW846 6010B	11/19/01	ENV101AJ
		Dilution Factor: 1		Analysis Time...: 15:48		
Potassium	5.6	3.0	mg/L	SW846 6010B	11/19/01	ENV101AM
		Dilution Factor: 1		Analysis Time...: 15:48		
Magnesium	30.6	0.20	mg/L	SW846 6010B	11/19/01	ENV101AK
		Dilution Factor: 1		Analysis Time...: 15:48		
Manganese	3.3	0.010	mg/L	SW846 6010B	11/19/01	ENV101AL
		Dilution Factor: 1		Analysis Time...: 15:48		
Sodium	78.8	5.0	mg/L	SW846 6010B	11/19/01	ENV101AG
		Dilution Factor: 1		Analysis Time...: 15:48		

CAMERON-COLE LLC

Client Sample ID: MW-10

TOTAL Metals

Lot-Sample #....: D1K130262-005

Matrix.....: WATER

Date Sampled....: 11/11/01 16:40 Date Received...: 11/13/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1319483						
Iron	391	0.10	mg/L	SW846 6010B	11/15-11/20/01	ENV111AE
		Dilution Factor: 1		Analysis Time...: 12:20		
Manganese	7.1	0.010	mg/L	SW846 6010B	11/15-11/20/01	ENV111AF
		Dilution Factor: 1		Analysis Time...: 19:30		

CAMERON-COLE LLC

Client Sample ID: MW-10

DISSOLVED Metals

Lot-Sample #...: D1K130262-005

Date Sampled...: 11/11/01 16:40 Date Received...: 11/13/01

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1319418						
Calcium	94.8	0.20	mg/L	SW846 6010B	11/19/01	ENV111AH
		Dilution Factor: 1		Analysis Time...: 15:52		
Iron	2.2	0.10	mg/L	SW846 6010B	11/19/01	ENV111AJ
		Dilution Factor: 1		Analysis Time...: 15:52		
Potassium	3.3	3.0	mg/L	SW846 6010B	11/19/01	ENV111AM
		Dilution Factor: 1		Analysis Time...: 15:52		
Magnesium	26.3	0.20	mg/L	SW846 6010B	11/19/01	ENV111AK
		Dilution Factor: 1		Analysis Time...: 15:52		
Manganese	1.2	0.010	mg/L	SW846 6010B	11/19/01	ENV111AL
		Dilution Factor: 1		Analysis Time...: 15:52		
Sodium	70.6	5.0	mg/L	SW846 6010B	11/19/01	ENV111AG
		Dilution Factor: 1		Analysis Time...: 15:52		

CAMERON-COLE LLC

Client Sample ID: MW-11

TOTAL Metals

Lot-Sample #...: D1K130262-006

Matrix.....: WATER

Date Sampled...: 11/11/01 12:55 Date Received...: 11/13/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1319483						
Iron	93.0	0.10	mg/L	SW846 6010B	11/15-11/20/01	ENV141AE
		Dilution Factor: 1		Analysis Time...: 12:24		
Manganese	1.4	0.010	mg/L	SW846 6010B	11/15-11/20/01	ENV141AF
		Dilution Factor: 1		Analysis Time...: 19:36		

CAMERON-COLE LLC

Client Sample ID: MW-11

DISSOLVED Metals

Lot-Sample #...: D1K130262-006

Date Sampled...: 11/11/01 12:55 Date Received...: 11/13/01

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1319418						
Calcium	135	0.20	mg/L	SW846 6010B	11/19/01	ENV141AH
		Dilution Factor: 1		Analysis Time...: 15:56		
Iron	1.7	0.10	mg/L	SW846 6010B	11/19/01	ENV141AJ
		Dilution Factor: 1		Analysis Time...: 15:56		
Potassium	3.2	3.0	mg/L	SW846 6010B	11/19/01	ENV141AM
		Dilution Factor: 1		Analysis Time...: 15:56		
Magnesium	17.1	0.20	mg/L	SW846 6010B	11/19/01	ENV141AK
		Dilution Factor: 1		Analysis Time...: 15:56		
Manganese	0.86	0.010	mg/L	SW846 6010B	11/19/01	ENV141AL
		Dilution Factor: 1		Analysis Time...: 15:56		
Sodium	24.3	5.0	mg/L	SW846 6010B	11/19/01	ENV141AG
		Dilution Factor: 1		Analysis Time...: 15:56		

CAMERON-COLE LLC

Client Sample ID: MW-14

TOTAL Metals

Lot-Sample #....: D1K130262-007

Date Sampled....: 11/11/01 16:15 Date Received...: 11/13/01

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #....: 1319483						
Iron	396	0.10	mg/L	SW846 6010B	11/15-11/20/01	ENV161AE
		Dilution Factor: 1		Analysis Time...: 12:27		
Manganese	6.2	0.010	mg/L	SW846 6010B	11/15-11/20/01	ENV161AF
		Dilution Factor: 1		Analysis Time...: 19:41		

CAMERON-COLE LLC

Client Sample ID: MW-14

DISSOLVED Metals

Lot-Sample #....: D1K130262-007

Matrix.....: WATER

Date Sampled....: 11/11/01 16:15 Date Received...: 11/13/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1319418						
Calcium	136	0.20	mg/L	SW846 6010B	11/19/01	ENV161AH
		Dilution Factor: 1		Analysis Time...: 15:59		
Iron	8.4	0.10	mg/L	SW846 6010B	11/19/01	ENV161AJ
		Dilution Factor: 1		Analysis Time...: 15:59		
Potassium	3.0	3.0	mg/L	SW846 6010B	11/19/01	ENV161AM
		Dilution Factor: 1		Analysis Time...: 15:59		
Magnesium	36.1	0.20	mg/L	SW846 6010B	11/19/01	ENV161AK
		Dilution Factor: 1		Analysis Time...: 15:59		
Manganese	3.1	0.010	mg/L	SW846 6010B	11/19/01	ENV161AL
		Dilution Factor: 1		Analysis Time...: 15:59		
Sodium	51.6	5.0	mg/L	SW846 6010B	11/19/01	ENV161AG
		Dilution Factor: 1		Analysis Time...: 15:59		

CAMERON-COLE LLC

Client Sample ID: RSCI-1

TOTAL Metals

Lot-Sample #...: D1K130262-008

Matrix.....: WATER

Date Sampled...: 11/11/01 08:45 Date Received...: 11/13/01

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 1319483						
Iron	4.2	0.10	mg/L	SW846 6010B	11/15-11/20/01	ENV181AE
		Dilution Factor: 1		Analysis Time...: 12:31		
Manganese	0.50	0.010	mg/L	SW846 6010B	11/15-11/20/01	ENV181AF
		Dilution Factor: 1		Analysis Time...: 19:59		

CAMERON-COLE LLC

Client Sample ID: RSCI-1

DISSOLVED Metals

Lot-Sample #....: D1K130262-008

Matrix.....: WATER

Date Sampled....: 11/11/01 08:45 Date Received...: 11/13/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1319418						
Calcium	143	0.20	mg/L	SW846 6010B	11/19/01	ENV181AH
		Dilution Factor: 1		Analysis Time...: 16:03		
Iron	ND	0.10	mg/L	SW846 6010B	11/19/01	ENV181AJ
		Dilution Factor: 1		Analysis Time...: 16:03		
Potassium	ND	3.0	mg/L	SW846 6010B	11/19/01	ENV181AM
		Dilution Factor: 1		Analysis Time...: 16:03		
Magnesium	57.1	0.20	mg/L	SW846 6010B	11/19/01	ENV181AK
		Dilution Factor: 1		Analysis Time...: 16:03		
Manganese	0.16	0.010	mg/L	SW846 6010B	11/19/01	ENV181AL
		Dilution Factor: 1		Analysis Time...: 16:03		
Sodium	53.3	5.0	mg/L	SW846 6010B	11/19/01	ENV181AG
		Dilution Factor: 1		Analysis Time...: 16:03		

CAMERON-COLE LLC

Client Sample ID: SK-11S

General Chemistry

Lot-Sample #...: D1K130262-001 Work Order #...: ENV0R
 Date Sampled...: 11/11/01 14:45 Date Received...: 11/13/01

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	ND	0.10	mg/L	MCAWW 350.1	11/14/01	1319321
		Dilution Factor: 1		Analysis Time...: 08:00		
Bicarbonate Alkalinity	351	5.0	mg/L	MCAWW 310.1	11/19/01	1323548
		Dilution Factor: 1		Analysis Time...: 14:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	11/19/01	1323549
		Dilution Factor: 1		Analysis Time...: 14:00		
Chloride	61.2	2.5	mg/L	MCAWW 325.2	11/16/01	1324254
		Dilution Factor: 1		Analysis Time...: 13:00		
Nitrate-Nitrite	1.7	0.10	mg/L	MCAWW 353.2	11/14/01	1319421
		Dilution Factor: 1		Analysis Time...: 08:00		
Sulfate	193 Q	25.0	mg/L	MCAWW 375.4	11/27/01	1331468
		Dilution Factor: 5		Analysis Time...: 13:00		
Total Alkalinity	351	5.0	mg/L	MCAWW 310.1	11/19/01	1323547
		Dilution Factor: 1		Analysis Time...: 14:00		
Total Dissolved Solids	704 G	40.0	mg/L	MCAWW 160.1	11/15/01	1319624
		Dilution Factor: 4		Analysis Time...: 12:00		
Total Organic Carbon	5.0	1.0	mg/L	MCAWW 415.1	11/22-11/23/01	1330527
		Dilution Factor: 1		Analysis Time...: 02:00		

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

CAMERON-COLE LLC

Client Sample ID: HRI-03

General Chemistry

Lot-Sample #....: D1K130262-003 Work Order #....: ENV1K
 Date Sampled....: 11/11/01 09:15 Date Received...: 11/13/01

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	ND	0.10	mg/L	MCAWW 350.1 Dilution Factor: 1 Analysis Time...: 08:00	11/14/01	1319321
Bicarbonate Alkalinity	338	5.0	mg/L	MCAWW 310.1 Dilution Factor: 1 Analysis Time...: 14:00	11/19/01	1323548
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1 Dilution Factor: 1 Analysis Time...: 14:00	11/19/01	1323549
Chloride	73.0	2.5	mg/L	MCAWW 325.2 Dilution Factor: 1 Analysis Time...: 13:00	11/16/01	1324254
Nitrate-Nitrite	2.2	0.10	mg/L	MCAWW 353.2 Dilution Factor: 1 Analysis Time...: 08:00	11/14/01	1319421
Sulfate	215 Q	25.0	mg/L	MCAWW 375.4 Dilution Factor: 5 Analysis Time...: 13:00	11/27/01	1331468
Total Alkalinity	338	5.0	mg/L	MCAWW 310.1 Dilution Factor: 1 Analysis Time...: 14:00	11/19/01	1323547
Total Dissolved Solids	798	10.0	mg/L	MCAWW 160.1 Dilution Factor: 1 Analysis Time...: 12:00	11/15/01	1319624
Total Organic Carbon	2.6	1.0	mg/L	MCAWW 415.1 Dilution Factor: 1 Analysis Time...: 02:00	11/22-11/23/01	1330527

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

CAMERON-COLE LLC

Client Sample ID: WND-32

General Chemistry

Lot-Sample #....: D1K130262-004 Work Order #....: ENV10
 Date Sampled....: 11/11/01 13:20 Date Received...: 11/13/01

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	ND	0.10	mg/L	MCAWW 350.1	11/14/01	1319321
		Dilution Factor: 1		Analysis Time...: 08:00		
Bicarbonate Alkalinity	310	5.0	mg/L	MCAWW 310.1	11/19/01	1323548
		Dilution Factor: 1		Analysis Time...: 14:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	11/19/01	1323549
		Dilution Factor: 1		Analysis Time...: 14:00		
Chloride	68.7	2.5	mg/L	MCAWW 325.2	11/16/01	1324254
		Dilution Factor: 1		Analysis Time...: 13:00		
Nitrate-Nitrite	6.3	0.10	mg/L	MCAWW 353.2	11/14/01	1319421
		Dilution Factor: 1		Analysis Time...: 08:00		
Sulfate	138 Q	25.0	mg/L	MCAWW 375.4	11/27/01	1331468
		Dilution Factor: 5		Analysis Time...: 13:00		
Total Alkalinity	310	5.0	mg/L	MCAWW 310.1	11/19/01	1323547
		Dilution Factor: 1		Analysis Time...: 14:00		
Total Dissolved Solids	925 G	50.0	mg/L	MCAWW 160.1	11/16/01	1320537
		Dilution Factor: 5		Analysis Time...: 18:00		
Total Organic Carbon	2.5	1.0	mg/L	MCAWW 415.1	11/22-11/23/01	1330527
		Dilution Factor: 1		Analysis Time...: 03:00		

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

CAMERON-COLE LLC

Client Sample ID: MW-10

General Chemistry

Lot-Sample #....: D1K130262-005 Work Order #....: ENV11
 Date Sampled....: 11/11/01 16:40 Date Received...: 11/13/01

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	0.30	0.10	mg/L	MCAWW 350.1 Dilution Factor: 1 Analysis Time...: 08:00	11/14/01	1319321
Bicarbonate Alkalinity	448	5.0	mg/L	MCAWW 310.1 Dilution Factor: 1 Analysis Time...: 14:00	11/19/01	1323548
Carbonate Alkalinity ND		5.0	mg/L	MCAWW 310.1 Dilution Factor: 1 Analysis Time...: 14:00	11/19/01	1323549
Chloride	39.9	2.5	mg/L	MCAWW 325.2 Dilution Factor: 1 Analysis Time...: 13:00	11/16/01	1324254
Nitrate-Nitrite	0.15	0.10	mg/L	MCAWW 353.2 Dilution Factor: 1 Analysis Time...: 08:00	11/14/01	1319421
Sulfate	ND	5.0	mg/L	MCAWW 375.4 Dilution Factor: 1 Analysis Time...: 13:00	11/27/01	1331468
Total Alkalinity	448	5.0	mg/L	MCAWW 310.1 Dilution Factor: 1 Analysis Time...: 14:00	11/19/01	1323547
Total Dissolved Solids	940 G	200	mg/L	MCAWW 160.1 Dilution Factor: 20 Analysis Time...: 18:00	11/16/01	1320537
Total Organic Carbon 3.5		1.0	mg/L	MCAWW 415.1 Dilution Factor: 1 Analysis Time...: 03:00	11/22-11/23/01	1330527

NOTE(S) :

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

CAMERON-COLE LLC

Client Sample ID: MW-11

General Chemistry

Lot-Sample #...: D1K130262-006 Work Order #...: ENV14 Matrix.....: WATER
 Date Sampled...: 11/11/01 12:55 Date Received...: 11/13/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	0.13	0.10	mg/L	MCAWW 350.1	11/14/01	1319321
		Dilution Factor: 1		Analysis Time...: 08:00		
Bicarbonate Alkalinity	257	5.0	mg/L	MCAWW 310.1	11/19/01	1323548
		Dilution Factor: 1		Analysis Time...: 14:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	11/19/01	1323549
		Dilution Factor: 1		Analysis Time...: 14:00		
Chloride	10.2	2.5	mg/L	MCAWW 325.2	11/16/01	1324254
		Dilution Factor: 1		Analysis Time...: 13:00		
Nitrate-Nitrite	0.46	0.10	mg/L	MCAWW 353.2	11/14/01	1319421
		Dilution Factor: 1		Analysis Time...: 08:00		
Sulfate	203 Q	25.0	mg/L	MCAWW 375.4	11/27/01	1331468
		Dilution Factor: 5		Analysis Time...: 13:00		
Total Alkalinity	257	5.0	mg/L	MCAWW 310.1	11/19/01	1323547
		Dilution Factor: 1		Analysis Time...: 14:00		
Total Dissolved Solids	595 G	50.0	mg/L	MCAWW 160.1	11/15/01	1319624
		Dilution Factor: 5		Analysis Time...: 12:00		
Total Organic Carbon	3.6	1.0	mg/L	MCAWW 415.1	11/22-11/23/01	1330527
		Dilution Factor: 1		Analysis Time...: 03:00		

NOTE(S) :

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

CAMERON-COLE LLC

Client Sample ID: MW-14

General Chemistry

Lot-Sample #...: D1K130262-007

Work Order #...: ENV16

Matrix.....: WATER

Date Sampled...: 11/11/01 16:15

Date Received...: 11/13/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	0.37	0.10	mg/L	MCAWW 350.1	11/14/01	1319321
				Dilution Factor: 1	Analysis Time...: 08:00	
Bicarbonate Alkalinity	496	5.0	mg/L	MCAWW 310.1	11/19/01	1323548
				Dilution Factor: 1	Analysis Time...: 14:00	
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	11/19/01	1323549
				Dilution Factor: 1	Analysis Time...: 14:00	
Chloride	43.4	2.5	mg/L	MCAWW 325.2	11/16/01	1324254
				Dilution Factor: 1	Analysis Time...: 13:00	
Nitrate-Nitrite	0.18	0.10	mg/L	MCAWW 353.2	11/14/01	1319421
				Dilution Factor: 1	Analysis Time...: 08:00	
Sulfate	40.7	5.0	mg/L	MCAWW 375.4	11/27/01	1331468
				Dilution Factor: 1	Analysis Time...: 13:00	
Total Alkalinity	496	5.0	mg/L	MCAWW 310.1	11/19/01	1323547
				Dilution Factor: 1	Analysis Time...: 14:00	
Total Dissolved Solids	540 G	200	mg/L	MCAWW 160.1	11/15/01	1319624
				Dilution Factor: 20	Analysis Time...: 12:00	
Total Organic Carbon	4.5	1.0	mg/L	MCAWW 415.1	11/22-11/23/01	1330527
				Dilution Factor: 1	Analysis Time...: 03:00	

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

CAMERON-COLE LLC

Client Sample ID: RSCI-1

General Chemistry

Lot-Sample #....: D1K130262-008 Work Order #....: ENV18 Matrix.....: WATER
 Date Sampled....: 11/11/01 08:45 Date Received...: 11/13/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	ND	0.10	mg/L	MCAWW 350.1 Dilution Factor: 1 Analysis Time...: 08:00	11/14/01	1319321
Bicarbonate Alkalinity	337	5.0	mg/L	MCAWW 310.1 Dilution Factor: 1 Analysis Time...: 14:00	11/19/01	1323548
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1 Dilution Factor: 1 Analysis Time...: 14:00	11/19/01	1323549
Chloride	79.1	2.5	mg/L	MCAWW 325.2 Dilution Factor: 1 Analysis Time...: 13:00	11/16/01	1324254
Nitrate-Nitrite	3.2	0.10	mg/L	MCAWW 353.2 Dilution Factor: 1 Analysis Time...: 08:00	11/14/01	1319421
Sulfate	231 Q	25.0	mg/L	MCAWW 375.4 Dilution Factor: 5 Analysis Time...: 13:00	11/27/01	1331468
Total Alkalinity	337	5.0	mg/L	MCAWW 310.1 Dilution Factor: 1 Analysis Time...: 14:00	11/19/01	1323547
Total Dissolved Solids	858	10.0	mg/L	MCAWW 160.1 Dilution Factor: 1 Analysis Time...: 12:00	11/15/01	1319624
Total Organic Carbon	1.9	1.0	mg/L	MCAWW 415.1 Dilution Factor: 1 Analysis Time...: 03:00	11/22-11/23/01	1330527

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #....: D1K130262

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N		WO#:EN2CC1AC-LCS/EN2CC1AD-LCSD LCS Lot-Sample#: D1K150000-321				
	105	(90 - 110)		MCAWW 350.1	11/14/01	1319321
	103	(90 - 110)	1.9 (0-10)	MCAWW 350.1	11/14/01	1319321
		Dilution Factor: 1				
Nitrate-Nitrite		WO#:EN2XW1AC-LCS/EN2XW1AD-LCSD LCS Lot-Sample#: D1K150000-421				
	96	(90 - 110)		MCAWW 353.2	11/14/01	1319421
	97	(90 - 110)	0.25 (0-10)	MCAWW 353.2	11/14/01	1319421
		Dilution Factor: 1				
Total Alkalinity		WO#:EN9N21AC-LCS/EN9N21AD-LCSD LCS Lot-Sample#: D1K190000-547				
	99	(95 - 110)		MCAWW 310.1	11/19/01	1323547
	100	(95 - 110)	1.4 (0-10)	MCAWW 310.1	11/19/01	1323547
		Dilution Factor: 1				
Total Dissolved Solids		WO#:EPCFL1AC-LCS/EPCFL1AD-LCSD LCS Lot-Sample#: D1K150000-624				
	91	(86 - 106)		MCAWW 160.1	11/15/01	1319624
	88	(86 - 106)	3.1 (0-20)	MCAWW 160.1	11/15/01	1319624
		Dilution Factor: 1				
Total Dissolved Solids		WO#:EPC5L1AC-LCS/EPC5L1AD-LCSD LCS Lot-Sample#: D1K160000-537				
	94	(86 - 106)		MCAWW 160.1	11/16/01	1320537
	93	(86 - 106)	0.85 (0-20)	MCAWW 160.1	11/16/01	1320537
		Dilution Factor: 1				
Total Organic Carbon		WO#:EPG571AC-LCS/EPG571AD-LCSD LCS Lot-Sample#: D1K260000-527				
	97	(90 - 110)		MCAWW 415.1	11/22-11/23/01	1330527
	97	(90 - 110)	0.53 (0-10)	MCAWW 415.1	11/22/01	1330527
		Dilution Factor: 1				

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #....: D1K130262

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Chloride	97	(92 - 109)	MCAWW 325.2	11/16/01	1324254
		Dilution Factor: 1			
		Analysis Time...: 13:00			
Sulfate	94	(88 - 110)	MCAWW 375.4	11/27/01	1331468
		Dilution Factor: 1			
		Analysis Time...: 13:00			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #....: D1K130262

Matrix.....: WATER

	SPIKE	MEASURED	PERCENT				PREPARATION-	PREP
PARAMETER	AMOUNT	AMOUNT	UNITS	RECVRY	RPD	METHOD	ANALYSIS DATE	BATCH #
Ammonia as N				WO#:EN2CC1AC-LCS/EN2CC1AD-LCSD LCS Lot-Sample#: D1K150000-321				
	4.00	4.21	mg/L	105		MCAWW 350.1	11/14/01	1319321
	4.00	4.13	mg/L	103	1.9	MCAWW 350.1	11/14/01	1319321
			Dilution Factor: 1					
Nitrate-Nitrite				WO#:EN2XW1AC-LCS/EN2XW1AD-LCSD LCS Lot-Sample#: D1K150000-421				
	4.00	3.86	mg/L	96		MCAWW 353.2	11/14/01	1319421
	4.00	3.87	mg/L	97	0.25	MCAWW 353.2	11/14/01	1319421
			Dilution Factor: 1					
Total Alkalinity				WO#:EN9N21AC-LCS/EN9N21AD-LCSD LCS Lot-Sample#: D1K190000-547				
	185	183	mg/L	99		MCAWW 310.1	11/19/01	1323547
	185	185	mg/L	100	1.4	MCAWW 310.1	11/19/01	1323547
			Dilution Factor: 1					
Total Dissolved Solids				WO#:EPCFL1AC-LCS/EPCFL1AD-LCSD LCS Lot-Sample#: D1K150000-624				
	500	454	mg/L	91		MCAWW 160.1	11/15/01	1319624
	500	440	mg/L	88	3.1	MCAWW 160.1	11/15/01	1319624
			Dilution Factor: 1					
Total Dissolved Solids				WO#:EPC5L1AC-LCS/EPC5L1AD-LCSD LCS Lot-Sample#: D1K160000-537				
	500	468	mg/L	94		MCAWW 160.1	11/16/01	1320537
	500	464	mg/L	93	0.85	MCAWW 160.1	11/16/01	1320537
			Dilution Factor: 1					
Total Organic Carbon				WO#:EPG571AC-LCS/EPG571AD-LCSD LCS Lot-Sample#: D1K260000-527				
	25.0	24.3	mg/L	97		MCAWW 415.1	11/22-11/23/01	1330527
	25.0	24.2	mg/L	97	0.53	MCAWW 415.1	11/22/01	1330527
			Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #....: D1K130262

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	50.0	48.4	mg/L	97	MCAWW 325.2	11/16/01	1324254
Work Order #: EPADK1AC LCS Lot-Sample#: D1K200000-254							
Dilution Factor: 1							
Analysis Time...: 13:00							
Sulfate	25.0	23.5	mg/L	94	MCAWW 375.4	11/27/01	1331468
Work Order #: EPJ5N1AC LCS Lot-Sample#: D1K270000-468							
Dilution Factor: 1							
Analysis Time...: 13:00							

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D1K130262

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N	ND	Work Order #: EN2CC1AA 0.10	mg/L	MB Lot-Sample #: D1K150000-321 MCAWW 350.1	11/14/01	1319321
		Dilution Factor: 1 Analysis Time...: 08:00				
Chloride	ND	Work Order #: EPADK1AA 2.5	mg/L	MB Lot-Sample #: D1K200000-254 MCAWW 325.2	11/16/01	1324254
		Dilution Factor: 1 Analysis Time...: 13:00				
Nitrate-Nitrite	ND	Work Order #: EN2XW1AA 0.10	mg/L	MB Lot-Sample #: D1K150000-421 MCAWW 353.2	11/14/01	1319421
		Dilution Factor: 1 Analysis Time...: 08:00				
Sulfate	ND	Work Order #: EPJ5N1AA 5.0	mg/L	MB Lot-Sample #: D1K270000-468 MCAWW 375.4	11/27/01	1331468
		Dilution Factor: 1 Analysis Time...: 13:00				
Total Alkalinity	ND	Work Order #: EN9N21AA 5.0	mg/L	MB Lot-Sample #: D1K190000-547 MCAWW 310.1	11/19/01	1323547
		Dilution Factor: 1 Analysis Time...: 14:00				
Total Dissolved Solids	ND	Work Order #: EPCFL1AA 10.0	mg/L	MB Lot-Sample #: D1K150000-624 MCAWW 160.1	11/15/01	1319624
		Dilution Factor: 1 Analysis Time...: 12:00				
Total Dissolved Solids	ND	Work Order #: EPCS11AA 10.0	mg/L	MB Lot-Sample #: D1K160000-537 MCAWW 160.1	11/16/01	1320537
		Dilution Factor: 1 Analysis Time...: 18:00				
Total Organic Carbon	ND	Work Order #: EPG571AA 1.0	mg/L	MB Lot-Sample #: D1K260000-527 MCAWW 415.1	11/22-11/23/01	1330527
		Dilution Factor: 1 Analysis Time...: 00:00				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #....: D1K130262

Matrix.....: WATER

Date Sampled...: 11/14/01 10:01 Date Received...: 11/14/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Ammonia as N			WO#:	ENV381AC-MS/ENV381AD-MSD	MS Lot-Sample #:	D1K130266-005	
	101	(91 - 111)			MCAWW 350.1	11/14/01	1319322
	98	(91 - 111)	2.5	(0-10)	MCAWW 350.1	11/14/01	1319322
				Dilution Factor: 1			
				Analysis Time...: 08:00			
Chloride			WO#:	EN2X51A3-MS/EN2X51A4-MSD	MS Lot-Sample #:	D1K150252-001	
	98	(92 - 109)			MCAWW 325.2	11/16/01	1324254
	96	(92 - 109)	0.86	(0-10)	MCAWW 325.2	11/16/01	1324254
				Dilution Factor: 1			
				Analysis Time...: 13:00			
Nitrate-Nitrite			WO#:	EM7JE1AL-MS/EM7JE1AM-MSD	MS Lot-Sample #:	D1K010254-013	
	102	(90 - 110)			MCAWW 353.2	11/14/01	1319421
	101	(90 - 110)	1.2	(0-10)	MCAWW 353.2	11/14/01	1319421
				Dilution Factor: 1			
				Analysis Time...: 08:00			
Sulfate			WO#:	EN29M1CQ-MS/EN29M1CR-MSD	MS Lot-Sample #:	D1K150277-006	
	98	(88 - 110)			MCAWW 375.4	11/27/01	1331468
	99	(88 - 110)	0.54	(0-11)	MCAWW 375.4	11/27/01	1331468
				Dilution Factor: 1			
				Analysis Time...: 13:00			
Total Organic Carbon			WO#:	EN16X1CM-MS/EN16X1CN-MSD	MS Lot-Sample #:	D1K150169-002	
	99	(90 - 110)			MCAWW 415.1	11/22-11/23/01	1330523
	97	(90 - 110)	1.9	(0-10)	MCAWW 415.1	11/22-11/23/01	1330523
				Dilution Factor: 1			
				Analysis Time...: 00:00			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D1K130262

Matrix.....: WATER

Date Sampled...: 11/14/01 10:01 Date Received...: 11/14/01

	SAMPLE	SPIKE	MEASURED		PERCNT		PREPARATION-	PREP	
PARAMETER	AMOUNT	AMT	AMOUNT	UNITS	RECVRY	RPD	METHOD	ANALYSIS DATE	BATCH #
Ammonia as N	N		WO#:	ENV381AC-MS/ENV381AD-MSD	MS Lot-Sample #:	D1K130266-005			
	0.69	5.00	5.74	mg/L	101		MCAWW 350.1	11/14/01	1319322
	0.69	5.00	5.60	mg/L	98	2.5	MCAWW 350.1	11/14/01	1319322
			Dilution Factor: 1						
			Analysis Time...: 08:00						
Chloride			WO#:	EN2X51A3-MS/EN2X51A4-MSD	MS Lot-Sample #:	D1K150252-001			
	79.0	50.0	128	mg/L	98		MCAWW 325.2	11/16/01	1324254
	79.0	50.0	127	mg/L	96	0.86	MCAWW 325.2	11/16/01	1324254
			Dilution Factor: 1						
			Analysis Time...: 13:00						
Nitrate-Nitrite			WO#:	EM7JE1AL-MS/EM7JE1AM-MSD	MS Lot-Sample #:	D1K010254-013			
	ND	5.00	5.11	mg/L	102		MCAWW 353.2	11/14/01	1319421
	ND	5.00	5.05	mg/L	101	1.2	MCAWW 353.2	11/14/01	1319421
			Dilution Factor: 1						
			Analysis Time...: 08:00						
Sulfate			WO#:	EN29M1CQ-MS/EN29M1CR-MSD	MS Lot-Sample #:	D1K150277-006			
	231	250	476	mg/L	98		MCAWW 375.4	11/27/01	1331468
	231	250	478	mg/L	99	0.54	MCAWW 375.4	11/27/01	1331468
			Dilution Factor: 1						
			Analysis Time...: 13:00						
Total Organic Carbon			WO#:	EN16X1CM-MS/EN16X1CN-MSD	MS Lot-Sample #:	D1K150169-002			
	2.5	25.0	27.1	mg/L	99		MCAWW 415.1	11/22-11/23/01	1330523
	2.5	25.0	26.6	mg/L	97	1.9	MCAWW 415.1	11/22-11/23/01	1330523
			Dilution Factor: 1						
			Analysis Time...: 00:00						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D1K130262

Work Order #...: ENV3L-SMP
ENV3L-DUP

Matrix.....: WATER

Date Sampled...: 11/11/01 10:35

Date Received...: 11/13/01

% Moisture.....: 100

Dilution Factor:

Initial Wgt/Vol:

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Alkalinity	285	284	mg/L	0.37	(0-10)	SD Lot-Sample #: D1K130267-006 MCAWW 310.1	11/19/01	1323547
				Dilution Factor: 1	Analysis Time...: 14:00			

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: D1K130262

Work Order #....: ENP78-SMP
ENP78-DUP

Matrix.....: WATER

Date Sampled....: 11/09/01 09:00

Date Received...: 11/10/01

% Moisture.....: 100

Dilution Factor:

Initial Wgt/Vol:

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Dissolved						SD Lot-Sample #: D1K100172-013		
Solids	2550	2590	mg/L	1.4	(0-20)	MCAWW 160.1	11/15/01	1319624
				Dilution Factor: 1		Analysis Time...: 12:00		

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: D1K130262

Work Order #....: ENXA0-SMP
ENXA0-DUP

Matrix.....: WATER

Date Sampled....: 11/13/01 10:47

Date Received...: 11/14/01

% Moisture.....: 100

Dilution Factor:

Initial Wgt/Vol:

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Dissolved								
Solids	3410 Q	3360 Q	mg/L	1.4	(0-20)	MCAWW 160.1	11/16/01	1320537
				Dilution Factor: 2		Analysis Time...: 18:00		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

QC DATA ASSOCIATION SUMMARY

D1K130262

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	MCAWW 160.1		1319624	1324225
	WATER	MCAWW 310.1		1323549	
	WATER	MCAWW 325.2		1324254	1324100
	WATER	MCAWW 353.2		1319421	1319203
	WATER	MCAWW 415.1		1330527	1330240
	WATER	RSK SOP-175		1332458	1332249
	WATER	SW846 8260B		1325424	1325210
	WATER	SW846 6010B		1319418	1319198
	WATER	SW846 6010B		1319483	1319243
	WATER	MCAWW 375.4		1331468	1331240
	WATER	MCAWW 310.1		1323548	
	WATER	MCAWW 310.1		1323547	1323314
	WATER	MCAWW 350.1		1319321	1319132
002	WATER	SW846 8260B		1325424	1325210
003	WATER	MCAWW 160.1		1319624	1324225
	WATER	MCAWW 310.1		1323549	
	WATER	MCAWW 325.2		1324254	1324100
	WATER	MCAWW 353.2		1319421	1319203
	WATER	MCAWW 415.1		1330527	1330240
	WATER	RSK SOP-175		1332458	1332249
	WATER	SW846 8260B		1325424	1325210
	WATER	SW846 6010B		1319418	1319198
	WATER	SW846 6010B		1319483	1319243
	WATER	MCAWW 375.4		1331468	1331240
	WATER	MCAWW 310.1		1323548	
	WATER	MCAWW 310.1		1323547	1323314
	WATER	MCAWW 350.1		1319321	1319132
004	WATER	MCAWW 160.1		1320537	1324313
	WATER	MCAWW 310.1		1323549	
	WATER	MCAWW 325.2		1324254	1324100
	WATER	MCAWW 353.2		1319421	1319203
	WATER	MCAWW 415.1		1330527	1330240
	WATER	RSK SOP-175		1332458	1332249
	WATER	SW846 8260B		1325424	1325210
	WATER	SW846 6010B		1319418	1319198
	WATER	SW846 6010B		1319483	1319243
	WATER	MCAWW 375.4		1331468	1331240
	WATER	MCAWW 310.1		1323548	
	WATER	MCAWW 310.1		1323547	1323314
	WATER	MCAWW 350.1		1319321	1319132

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

D1K130262

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
005	WATER	MCAWW 160.1		1320537	1324313
	WATER	MCAWW 310.1		1323549	
	WATER	MCAWW 325.2		1324254	1324100
	WATER	MCAWW 353.2		1319421	1319203
	WATER	MCAWW 415.1		1330527	1330240
	WATER	RSK SOP-175		1332458	1332249
	WATER	RSK SOP-175		1332464	1332256
	WATER	SW846 8260B		1331356	1331176
	WATER	SW846 6010B		1319418	1319198
	WATER	SW846 6010B		1319483	1319243
	WATER	MCAWW 375.4		1331468	1331240
	WATER	MCAWW 310.1		1323548	
	WATER	MCAWW 310.1		1323547	1323314
	WATER	MCAWW 350.1		1319321	1319132
006	WATER	MCAWW 160.1		1319624	1324225
	WATER	MCAWW 310.1		1323549	
	WATER	MCAWW 325.2		1324254	1324100
	WATER	MCAWW 353.2		1319421	1319203
	WATER	MCAWW 415.1		1330527	1330240
	WATER	RSK SOP-175		1332458	1332249
	WATER	RSK SOP-175		1332464	1332256
	WATER	SW846 8260B		1325424	1325210
	WATER	SW846 6010B		1319418	1319198
	WATER	SW846 6010B		1319483	1319243
	WATER	MCAWW 375.4		1331468	1331240
	WATER	MCAWW 310.1		1323548	
	WATER	MCAWW 310.1		1323547	1323314
	WATER	MCAWW 350.1		1319321	1319132
007	WATER	MCAWW 160.1		1319624	1324225
	WATER	MCAWW 310.1		1323549	
	WATER	MCAWW 325.2		1324254	1324100
	WATER	MCAWW 353.2		1319421	1319203
	WATER	MCAWW 415.1		1330527	1330240
	WATER	RSK SOP-175		1332464	1332256
	WATER	SW846 8260B		1331356	1331176
	WATER	SW846 6010B		1319418	1319198
	WATER	SW846 6010B		1319483	1319243
	WATER	MCAWW 375.4		1331468	1331240
	WATER	MCAWW 310.1		1323548	
	WATER	MCAWW 310.1		1323547	1323314
	WATER	MCAWW 350.1		1319321	1319132

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

D1K130262

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
008	WATER	MCAWW 160.1		1319624	1324225
	WATER	MCAWW 310.1		1323549	
	WATER	MCAWW 325.2		1324254	1324100
	WATER	MCAWW 353.2		1319421	1319203
	WATER	MCAWW 415.1		1330527	1330240
	WATER	RSK SOP-175		1332464	1332256
	WATER	SW846 8260B		1325424	1325210
	WATER	SW846 6010B		1319418	1319198
	WATER	SW846 6010B		1319483	1319243
	WATER	MCAWW 375.4		1331468	1331240
	WATER	MCAWW 310.1		1323548	
	WATER	MCAWW 310.1		1323547	1323314
	WATER	MCAWW 350.1		1319321	1319132
009	WATER	SW846 8260B		1325424	1325210

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K130262 Work Order #....: EPETFLAC-LCS Matrix.....: WATER
 LCS Lot-Sample#: D1K210000-424 EPETFLAD-LCSD
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325424 Analysis Time...: 11:13
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	88	(79 - 119)			SW846 8260B
	93	(79 - 119)	5.7	(0-20)	SW846 8260B
Benzene	95	(79 - 119)			SW846 8260B
	95	(79 - 119)	0.20	(0-20)	SW846 8260B
Chlorobenzene	88	(76 - 116)			SW846 8260B
	88	(76 - 116)	0.88	(0-20)	SW846 8260B
Toluene	87	(75 - 122)			SW846 8260B
	88	(75 - 122)	0.35	(0-20)	SW846 8260B
Trichloroethene	95	(81 - 121)			SW846 8260B
	95	(81 - 121)	0.010	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	115	(80 - 120)
	113	(80 - 120)
1,2-Dichloroethane-d4	123	(72 - 127)
	118	(72 - 127)
4-Bromofluorobenzene	89	(79 - 119)
	88	(79 - 119)
Toluene-d8	93	(79 - 119)
	94	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K130262 Work Order #....: EPETF1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: D1K210000-424 EPETF1AD-LCSD
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325424 Analysis Time...: 11:13
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	8.83	ug/L	88		SW846 8260B
	10.0	9.34	ug/L	93	5.7	SW846 8260B
Benzene	10.0	9.46	ug/L	95		SW846 8260B
	10.0	9.47	ug/L	95	0.20	SW846 8260B
Chlorobenzene	10.0	8.83	ug/L	88		SW846 8260B
	10.0	8.76	ug/L	88	0.88	SW846 8260B
Toluene	10.0	8.74	ug/L	87		SW846 8260B
	10.0	8.77	ug/L	88	0.35	SW846 8260B
Trichloroethene	10.0	9.47	ug/L	95		SW846 8260B
	10.0	9.47	ug/L	95	0.010	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	115	(80 - 120)
	113	(80 - 120)
1,2-Dichloroethane-d4	123	(72 - 127)
	118	(72 - 127)
4-Bromofluorobenzene	89	(79 - 119)
	88	(79 - 119)
Toluene-d8	93	(79 - 119)
	94	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K130262 Work Order #....: EPJQW1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: D1K270000-356 EPJQW1AD-LCSD
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1331356 Analysis Time...: 12:36
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	90	(79 - 119)			SW846 8260B
	88	(79 - 119)	2.4	(0-20)	SW846 8260B
Benzene	94	(79 - 119)			SW846 8260B
	94	(79 - 119)	0.44	(0-20)	SW846 8260B
Chlorobenzene	91	(76 - 116)			SW846 8260B
	95	(76 - 116)	4.5	(0-20)	SW846 8260B
Toluene	102	(75 - 122)			SW846 8260B
	106	(75 - 122)	3.9	(0-20)	SW846 8260B
Trichloroethene	84	(81 - 121)			SW846 8260B
	87	(81 - 121)	2.8	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(80 - 120)
	107	(80 - 120)
1,2-Dichloroethane-d4	117	(72 - 127)
	114	(72 - 127)
4-Bromofluorobenzene	93	(79 - 119)
	94	(79 - 119)
Toluene-d8	112	(79 - 119)
	114	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K130262 Work Order #....: EPJQW1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: D1K270000-356 EPJQW1AD-LCSD
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1331356 Analysis Time...: 12:36
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	9.01	ug/L	90		SW846 8260B
	10.0	8.80	ug/L	88	2.4	SW846 8260B
Benzene	10.0	9.41	ug/L	94		SW846 8260B
	10.0	9.45	ug/L	94	0.44	SW846 8260B
Chlorobenzene	10.0	9.11	ug/L	91		SW846 8260B
	10.0	9.52	ug/L	95	4.5	SW846 8260B
Toluene	10.0	10.2	ug/L	102		SW846 8260B
	10.0	10.6	ug/L	106	3.9	SW846 8260B
Trichloroethene	10.0	8.45	ug/L	84		SW846 8260B
	10.0	8.69	ug/L	87	2.8	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(80 - 120)
	107	(80 - 120)
1,2-Dichloroethane-d4	117	(72 - 127)
	114	(72 - 127)
4-Bromofluorobenzene	93	(79 - 119)
	94	(79 - 119)
Toluene-d8	112	(79 - 119)
	114	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K130262
 MB Lot-Sample #: D1K210000-424

Work Order #....: EPETF1AA

Matrix.....: WATER

Analysis Date...: 11/20/01
 Dilution Factor: 1

Prep Date.....: 11/20/01

Analysis Time...: 12:00

Prep Batch #....: 1325424

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
Benzene	ND	1.0	ug/L		SW846 8260B
Bromobenzene	ND	1.0	ug/L		SW846 8260B
Bromochloromethane	ND	1.0	ug/L		SW846 8260B
Bromodichloromethane	ND	1.0	ug/L		SW846 8260B
Bromoform	ND	1.0	ug/L		SW846 8260B
Bromomethane	ND	2.0	ug/L		SW846 8260B
n-Butylbenzene	ND	1.0	ug/L		SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L		SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L		SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L		SW846 8260B
Chlorobenzene	ND	1.0	ug/L		SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L		SW846 8260B
Chloroethane	ND	2.0	ug/L		SW846 8260B
Chloroform	ND	1.0	ug/L		SW846 8260B
Chloromethane	ND	2.0	ug/L		SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L		SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L		SW846 8260B
Dibromomethane	ND	1.0	ug/L		SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L		SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L		SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L		SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L		SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L		SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L		SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L		SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L		SW846 8260B
trans-1,2-Dichloroethene	ND	0.50	ug/L		SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L		SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L		SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/L		SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L		SW846 8260B
Ethylbenzene	ND	1.0	ug/L		SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L		SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L		SW846 8260B
Isopropylbenzene	ND	1.0	ug/L		SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L		SW846 8260B
Methylene chloride	ND	1.0	ug/L		SW846 8260B
Naphthalene	ND	1.0	ug/L		SW846 8260B
n-Propylbenzene	ND	1.0	ug/L		SW846 8260B
Styrene	ND	1.0	ug/L		SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L		SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K130262

Work Order #....: EPETF1AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		METHOD
		LIMIT	UNITS	
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro- benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Dibromofluoromethane	115	(80 - 120)
1,2-Dichloroethane-d4	122	(72 - 127)
4-Bromofluorobenzene	88	(79 - 119)
Toluene-d8	93	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K130262
MB Lot-Sample #: D1K270000-356

Work Order #....: EPJQW1AA

Matrix.....: WATER

Analysis Date...: 11/21/01
Dilution Factor: 1

Prep Date.....: 11/21/01
Prep Batch #....: 1331356

Analysis Time...: 13:28

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
Benzene	ND	1.0	ug/L		SW846 8260B
Bromobenzene	ND	1.0	ug/L		SW846 8260B
Bromochloromethane	ND	1.0	ug/L		SW846 8260B
Bromodichloromethane	ND	1.0	ug/L		SW846 8260B
Bromoform	ND	1.0	ug/L		SW846 8260B
Bromomethane	ND	2.0	ug/L		SW846 8260B
n-Butylbenzene	ND	1.0	ug/L		SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L		SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L		SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L		SW846 8260B
Chlorobenzene	ND	1.0	ug/L		SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L		SW846 8260B
Chloroethane	ND	2.0	ug/L		SW846 8260B
Chloroform	ND	1.0	ug/L		SW846 8260B
Chloromethane	ND	2.0	ug/L		SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L		SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L		SW846 8260B
Dibromomethane	ND	1.0	ug/L		SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L		SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L		SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L		SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L		SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L		SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L		SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L		SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L		SW846 8260B
trans-1,2-Dichloroethene	ND	0.50	ug/L		SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L		SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L		SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/L		SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L		SW846 8260B
Ethylbenzene	ND	1.0	ug/L		SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L		SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L		SW846 8260B
Isopropylbenzene	ND	1.0	ug/L		SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L		SW846 8260B
Methylene chloride	ND	1.0	ug/L		SW846 8260B
Naphthalene	ND	1.0	ug/L		SW846 8260B
n-Propylbenzene	ND	1.0	ug/L		SW846 8260B
Styrene	ND	1.0	ug/L		SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L		SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K130262

Work Order #....: EPJQW1AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro- benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
SURROGATE	PERCENT		RECOVERY	
	RECOVERY		LIMITS	
Dibromofluoromethane	116		(80 - 120)	
1,2-Dichloroethane-d4	126		(72 - 127)	
4-Bromofluorobenzene	94		(79 - 119)	
Toluene-d8	110		(79 - 119)	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K130262 Work Order #....: ENR3V1AN-MS Matrix.....: WATER
 MS Lot-Sample #: D1K120225-001 ENR3V1AP-MSD
 Date Sampled....: 11/09/01 15:30 Date Received...: 11/12/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325424 Analysis Time...: 13:45
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	92	(79 - 119)			SW846 8260B
	88	(79 - 119)	4.5	(0-20)	SW846 8260B
Benzene	95	(79 - 119)			SW846 8260B
	92	(79 - 119)	3.5	(0-20)	SW846 8260B
Chlorobenzene	86	(76 - 116)			SW846 8260B
	84	(76 - 116)	2.5	(0-20)	SW846 8260B
Toluene	86	(75 - 122)			SW846 8260B
	85	(75 - 122)	1.2	(0-20)	SW846 8260B
Trichloroethene	93	(81 - 121)			SW846 8260B
	92	(81 - 121)	1.3	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(80 - 120)
	111	(80 - 120)
1,2-Dichloroethane-d4	119	(72 - 127)
	117	(72 - 127)
4-Bromofluorobenzene	91	(79 - 119)
	87	(79 - 119)
Toluene-d8	92	(79 - 119)
	92	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K130262 Work Order #....: ENR3V1AN-MS Matrix.....: WATER
 MS Lot-Sample #: D1K120225-001 ENR3V1AP-MSD
 Date Sampled....: 11/09/01 15:30 Date Received...: 11/12/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325424 Analysis Time...: 13:45
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	10.0	9.24	ug/L	92		SW846 8260B
	ND	10.0	8.83	ug/L	88	4.5	SW846 8260B
Benzene	ND	10.0	9.48	ug/L	95		SW846 8260B
	ND	10.0	9.16	ug/L	92	3.5	SW846 8260B
Chlorobenzene	ND	10.0	8.61	ug/L	86		SW846 8260B
	ND	10.0	8.40	ug/L	84	2.5	SW846 8260B
Toluene	ND	10.0	8.62	ug/L	86		SW846 8260B
	ND	10.0	8.51	ug/L	85	1.2	SW846 8260B
Trichloroethene	ND	10.0	9.35	ug/L	93		SW846 8260B
	ND	10.0	9.23	ug/L	92	1.3	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(80 - 120)
	111	(80 - 120)
1,2-Dichloroethane-d4	119	(72 - 127)
	117	(72 - 127)
4-Bromofluorobenzene	91	(79 - 119)
	87	(79 - 119)
Toluene-d8	92	(79 - 119)
	92	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Lot-Sample #....: D1K130262 Work Order #....: EN3CR1DJ Matrix.....: WATER
 MS Lot-Sample #: D1K150284-001
 Date Sampled....: 11/14/01 08:50 Date Received...: 11/15/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1331356
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
1,1-Dichloroethene	87	(79 - 119)	SW846 8260B
Benzene	94	(79 - 119)	SW846 8260B
Chlorobenzene	91	(76 - 116)	SW846 8260B
Toluene	104	(75 - 122)	SW846 8260B
Trichloroethene	81	(81 - 121)	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	112	(80 - 120)
1,2-Dichloroethane-d4	117	(72 - 127)
4-Bromofluorobenzene	98	(79 - 119)
Toluene-d8	114	(79 - 119)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Lot-Sample #...: D1K130262 Work Order #...: EN3CR1DJ Matrix.....: WATER
 MS Lot-Sample #: D1K150284-001
 Date Sampled...: 11/14/01 08:50 Date Received...: 11/15/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #...: 1331356
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	ND	10.0	8.71	ug/L	87	SW846 8260B
Benzene	ND	10.0	9.36	ug/L	94	SW846 8260B
Chlorobenzene	ND	10.0	9.07	ug/L	91	SW846 8260B
Toluene	ND	10.0	10.4	ug/L	104	SW846 8260B
Trichloroethene	ND	10.0	8.14	ug/L	81	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(80 - 120)
1,2-Dichloroethane-d4	117	(72 - 127)
4-Bromofluorobenzene	98	(79 - 119)
Toluene-d8	114	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: D1K130262 Work Order #....: EPL5C1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I1K280000-458 EPL5C1AD-LCSD
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1332458 Analysis Time...: 06:26
 Dilution Factor: 1

<u>PARAMETER</u>	PERCENT	RECOVERY	<u>RPD</u>	RPD	<u>METHOD</u>
	<u>RECOVERY</u>	<u>LIMITS</u>		<u>LIMITS</u>	
Ethane	100	(70 - 130)			RSK SOP-175
	100	(70 - 130)	0.70	(0-30)	RSK SOP-175
Ethene	96	(70 - 130)			RSK SOP-175
	95	(70 - 130)	0.090	(0-30)	RSK SOP-175
Methane	99	(70 - 130)			RSK SOP-175
	101	(70 - 130)	2.4	(0-30)	RSK SOP-175

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: D1K130262 Work Order #....: EPL5C1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I1K280000-458 EPL5C1AD-LCSD
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1332458 Analysis Time...: 06:26
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Ethane	64.9	65.0	ug/L	100		RSK SOP-175
	65.6	65.5	ug/L	100	0.70	RSK SOP-175
Ethene	60.7	58.2	ug/L	96		RSK SOP-175
	61.3	58.3	ug/L	95	0.090	RSK SOP-175
Methane	34.7	34.4	ug/L	99		RSK SOP-175
	35.0	35.3	ug/L	101	2.4	RSK SOP-175

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: D1K130262 Work Order #....: EPL5K1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I1K280000-464 EPL5K1AD-LCSD
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1332464 Analysis Time...: 09:42
 Dilution Factor: 1

PARAMETER	PERCENT	RECOVERY	RPD	RPD	METHOD
	RECOVERY	LIMITS		LIMITS	
Ethane	99	(70 - 130)			RSK SOP-175
	103	(70 - 130)	2.7	(0-30)	RSK SOP-175
Ethene	94	(70 - 130)			RSK SOP-175
	97	(70 - 130)	2.6	(0-30)	RSK SOP-175
Methane	97	(70 - 130)			RSK SOP-175
	100	(70 - 130)	3.1	(0-30)	RSK SOP-175

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: D1K130262 Work Order #....: EPL5K1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: I1K280000-464 EPL5K1AD-LCSD
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1332464 Analysis Time...: 09:42
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Ethane	64.9	64.5	ug/L	99		RSK SOP-175
	64.6	66.2	ug/L	103	2.7	RSK SOP-175
Ethene	60.7	57.2	ug/L	94		RSK SOP-175
	60.4	58.7	ug/L	97	2.6	RSK SOP-175
Methane	34.7	33.6	ug/L	97		RSK SOP-175
	34.5	34.6	ug/L	100	3.1	RSK SOP-175

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: D1K130262 Work Order #...: EPL5C1AA Matrix.....: WATER
 MB Lot-Sample #: I1K280000-458 Prep Date.....: 11/21/01 Analysis Time...: 06:10
 Analysis Date...: 11/21/01 Prep Batch #...: 1332458
 Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Ethane	ND	0.50	ug/L	RSK SOP-175
Ethene	ND	0.50	ug/L	RSK SOP-175
Methane	ND	0.50	ug/L	RSK SOP-175

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: D1K130262 Work Order #...: EPL5K1AA Matrix.....: WATER
 MB Lot-Sample #: I1K280000-464 Prep Date.....: 11/21/01 Analysis Time...: 09:39
 Analysis Date...: 11/21/01 Prep Batch #...: 1332464
 Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Ethane	ND	0.50	ug/L	RSK SOP-175
Ethene	ND	0.50	ug/L	RSK SOP-175
Methane	ND	0.50	ug/L	RSK SOP-175

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: D1K130262 Work Order #...: EN15T1AF-MS Matrix.....: WATER
 MS Lot-Sample #: I1K150162-006 EN15T1AG-MSD
 Date Sampled...: 11/12/01 12:50 Date Received...: 11/15/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #...: 1332464 Analysis Time...: 12:21
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Ethane	102	(68 - 104)			RSK SOP-175
	101	(68 - 104)	1.4	(0-14)	RSK SOP-175
Ethene	96	(69 - 102)			RSK SOP-175
	95	(69 - 102)	0.98	(0-15)	RSK SOP-175
Methane	99	(23 - 148)			RSK SOP-175
	92	(23 - 148)	7.5	(0-21)	RSK SOP-175

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: D1K130262 Work Order #...: EN15T1AF-MS Matrix.....: WATER
 MS Lot-Sample #: I1K150162-006 EN15T1AG-MSD
 Date Sampled...: 11/12/01 12:50 Date Received...: 11/15/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #...: 1332464 Analysis Time...: 12:21
 Dilution Factor: 1

PARAMETER	SAMPLE	SPIKE	MEASRD	UNITS	PERCENT		METHOD
	AMOUNT	AMT	AMOUNT		RECOVERY	RPD	
Ethane	ND	63.6	64.9	ug/L	102		RSK SOP-175
	ND	63.4	64.0	ug/L	101	1.4	RSK SOP-175
Ethene	ND	59.4	57.1	ug/L	96		RSK SOP-175
	ND	59.3	56.6	ug/L	95	0.98	RSK SOP-175
Methane	0.76	34.0	34.5	ug/L	99		RSK SOP-175
	0.76	33.9	32.0	ug/L	92	7.5	RSK SOP-175

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: D1K130262

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
LCS Lot-Sample#: D1K150000-483 Prep Batch #....: 1319483					
Iron	101	(92 - 114)	SW846 6010B	11/15-11/20/01	EN27F1AU
		Dilution Factor: 1			
		Analysis Time...: 11:15			
Manganese	99	(89 - 114)	SW846 6010B	11/15-11/20/01	EN27F1AX
		Dilution Factor: 1			
		Analysis Time...: 17:45			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: D1K130262

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D1K150000-483 Prep Batch #....: 1319483							
Iron	1.00	1.01	mg/L	101	SW846 6010B	11/15-11/20/01	EN27F1AU
			Dilution Factor: 1				
			Analysis Time...: 11:15				
Manganese	0.500	0.495	mg/L	99	SW846 6010B	11/15-11/20/01	EN27F1AX
			Dilution Factor: 1				
			Analysis Time...: 17:45				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D1K130262

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D1K150000-418 Prep Batch #...: 1319418					
Calcium	101	(88 - 108)	SW846 6010B	11/19/01	EN2W81AH
		Dilution Factor: 1			
		Analysis Time... 14:21			
Iron	102	(92 - 114)	SW846 6010B	11/19/01	EN2W81AJ
		Dilution Factor: 1			
		Analysis Time... 14:21			
Magnesium	104	(93 - 113)	SW846 6010B	11/19/01	EN2W81AK
		Dilution Factor: 1			
		Analysis Time... 14:21			
Manganese	101	(89 - 114)	SW846 6010B	11/19/01	EN2W81AL
		Dilution Factor: 1			
		Analysis Time... 14:21			
Sodium	104	(91 - 111)	SW846 6010B	11/19/01	EN2W81AM
		Dilution Factor: 1			
		Analysis Time... 14:21			
Potassium	97	(87 - 110)	SW846 6010B	11/19/01	EN2W81AN
		Dilution Factor: 1			
		Analysis Time... 14:21			

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #....: D1K130262

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D1K150000-418 Prep Batch #....: 1319418							
Calcium	50.0	50.5	mg/L	101	SW846 6010B	11/19/01	EN2W81AH
			Dilution Factor: 1				
			Analysis Time...: 14:21				
Iron	1.00	1.02	mg/L	102	SW846 6010B	11/19/01	EN2W81AJ
			Dilution Factor: 1				
			Analysis Time...: 14:21				
Magnesium	50.0	51.9	mg/L	104	SW846 6010B	11/19/01	EN2W81AK
			Dilution Factor: 1				
			Analysis Time...: 14:21				
Manganese	0.500	0.507	mg/L	101	SW846 6010B	11/19/01	EN2W81AL
			Dilution Factor: 1				
			Analysis Time...: 14:21				
Sodium	50.0	52.0	mg/L	104	SW846 6010B	11/19/01	EN2W81AM
			Dilution Factor: 1				
			Analysis Time...: 14:21				
Potassium	50.0	48.4	mg/L	97	SW846 6010B	11/19/01	EN2W81AN
			Dilution Factor: 1				
			Analysis Time...: 14:21				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: D1K130262

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D1K150000-483 Prep Batch #....: 1319483						
Iron	ND	0.10	mg/L	SW846 6010B	11/15-11/20/01	EN27F1AG
		Dilution Factor: 1				
		Analysis Time...: 11:11				
Manganese	ND	0.010	mg/L	SW846 6010B	11/15-11/20/01	EN27F1AK
		Dilution Factor: 1				
		Analysis Time...: 17:39				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #....: D1K130262

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D1K150000-418 Prep Batch #....: 1319418						
Calcium	ND	0.20	mg/L	SW846 6010B	11/19/01	EN2W81AA
		Dilution Factor: 1 Analysis Time...: 14:17				
Iron	ND	0.10	mg/L	SW846 6010B	11/19/01	EN2W81AC
		Dilution Factor: 1 Analysis Time...: 14:17				
Magnesium	ND	0.20	mg/L	SW846 6010B	11/19/01	EN2W81AD
		Dilution Factor: 1 Analysis Time...: 14:17				
Manganese	ND	0.010	mg/L	SW846 6010B	11/19/01	EN2W81AE
		Dilution Factor: 1 Analysis Time...: 14:17				
Potassium	ND	3.0	mg/L	SW846 6010B	11/19/01	EN2W81AG
		Dilution Factor: 1 Analysis Time...: 14:17				
Sodium	ND	5.0	mg/L	SW846 6010B	11/19/01	EN2W81AF
		Dilution Factor: 1 Analysis Time...: 14:17				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #....: D1K130262

Matrix.....: WATER

Date Sampled...: 11/09/01 14:30 Date Received...: 11/13/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D1K130147-001 Prep Batch #....: 1319418						
Calcium	NC,MSB	(88 - 108)		SW846 6010B	11/19/01	ENTXP1AV
	NC,MSB	(88 - 108)	(0-20)	SW846 6010B	11/19/01	ENTXP1AW
		Dilution Factor: 1				
		Analysis Time...: 14:32				
Iron	101	(92 - 114)		SW846 6010B	11/19/01	ENTXP1AX
	99	(92 - 114)	1.5 (0-20)	SW846 6010B	11/19/01	ENTXP1A0
		Dilution Factor: 1				
		Analysis Time...: 14:32				
Magnesium	108	(93 - 113)		SW846 6010B	11/19/01	ENTXP1A1
	105	(93 - 113)	1.2 (0-20)	SW846 6010B	11/19/01	ENTXP1A2
		Dilution Factor: 1				
		Analysis Time...: 14:32				
Manganese	101	(89 - 114)		SW846 6010B	11/19/01	ENTXP1A3
	100	(89 - 114)	1.2 (0-20)	SW846 6010B	11/19/01	ENTXP1A4
		Dilution Factor: 1				
		Analysis Time...: 14:32				
Potassium	102	(87 - 110)		SW846 6010B	11/19/01	ENTXP1A7
	99	(87 - 110)	2.0 (0-20)	SW846 6010B	11/19/01	ENTXP1A8
		Dilution Factor: 1				
		Analysis Time...: 14:32				
Sodium	107	(91 - 111)		SW846 6010B	11/19/01	ENTXP1A5
	103	(91 - 111)	0.96 (0-20)	SW846 6010B	11/19/01	ENTXP1A6
		Dilution Factor: 1				
		Analysis Time...: 14:32				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: D1K130262

Matrix.....: WATER

Date Sampled....: 11/12/01 11:00 Date Received...: 11/13/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D1K130277-001 Prep Batch #....: 1319483						
Iron	96	(92 - 114)		SW846 6010B	11/15-11/20/01	ENV6X1CG
	97	(92 - 114)	0.40 (0-20)	SW846 6010B	11/15-11/20/01	ENV6X1CH
		Dilution Factor: 1				
		Analysis Time...: 11:34				
Manganese	99	(89 - 114)		SW846 6010B	11/15-11/20/01	ENV6X1CN
	100	(89 - 114)	0.89 (0-20)	SW846 6010B	11/15-11/20/01	ENV6X1CP
		Dilution Factor: 1				
		Analysis Time...: 18:20				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D1K130262

Matrix.....: WATER

Date Sampled...: 11/09/01 14:30 Date Received...: 11/13/01

PARAMETER	AMOUNT	AMT	AMOUNT	UNITS	PERCENT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D1K130147-001 Prep Batch #...: 1319418									
Calcium									
	250	50.0	300	mg/L			SW846 6010B	11/19/01	ENTXP1AV
				Qualifiers: NC,MSB					
	250	50.0	297	mg/L			SW846 6010B	11/19/01	ENTXP1AW
				Qualifiers: NC,MSB					
				Dilution Factor: 1					
				Analysis Time...: 14:32					
Iron									
	ND	1.00	1.02	mg/L	101		SW846 6010B	11/19/01	ENTXP1AX
	ND	1.00	1.01	mg/L	99	1.5	SW846 6010B	11/19/01	ENTXP1AO
				Dilution Factor: 1					
				Analysis Time...: 14:32					
Magnesium									
	54.3	50.0	108	mg/L	108		SW846 6010B	11/19/01	ENTXP1A1
	54.3	50.0	107	mg/L	105	1.2	SW846 6010B	11/19/01	ENTXP1A2
				Dilution Factor: 1					
				Analysis Time...: 14:32					
Manganese									
	ND	0.500	0.515	mg/L	101		SW846 6010B	11/19/01	ENTXP1A3
	ND	0.500	0.509	mg/L	100	1.2	SW846 6010B	11/19/01	ENTXP1A4
				Dilution Factor: 1					
				Analysis Time...: 14:32					
Potassium									
	4.8	50.0	55.5	mg/L	102		SW846 6010B	11/19/01	ENTXP1A7
	4.8	50.0	54.4	mg/L	99	2.0	SW846 6010B	11/19/01	ENTXP1A8
				Dilution Factor: 1					
				Analysis Time...: 14:32					
Sodium									
	156	50.0	209	mg/L	107		SW846 6010B	11/19/01	ENTXP1A5
	156	50.0	207	mg/L	103	0.96	SW846 6010B	11/19/01	ENTXP1A6
				Dilution Factor: 1					
				Analysis Time...: 14:32					

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: D1K130262

Matrix.....: WATER

Date Sampled...: 11/12/01 11:00 Date Received...: 11/13/01

PARAMETER	AMOUNT	AMT	AMOUNT	UNITS	PERCENT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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MS Lot-Sample #: D1K130277-001 Prep Batch #....: 1319483

Iron

1.3	1.00	2.29	mg/L	96		SW846 6010B	11/15-11/20/01	ENV6X1CG
1.3	1.00	2.30	mg/L	97	0.40	SW846 6010B	11/15-11/20/01	ENV6X1CH

Dilution Factor: 1

Analysis Time...: 11:34

Manganese

0.047	0.500	0.541	mg/L	99		SW846 6010B	11/15-11/20/01	ENV6X1CN
0.047	0.500	0.546	mg/L	100	0.89	SW846 6010B	11/15-11/20/01	ENV6X1CP

Dilution Factor: 1

Analysis Time...: 18:20

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

CAMERON-COLE LLC
Wichita, KS

- REPORT

104

Met...on

HOLD TIME REPORT

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GC VOA

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K130262001	SK-11S	11/11/01	14:45							
			SOP-175		10		14		11/21/01	08:57
D1K130262003	HRI-03	11/11/01	09:15							
			SOP-175		10		14		11/21/01	08:59
D1K130262004	WND-32	11/11/01	13:20							
			SOP-175		10		14		11/21/01	09:02
D1K130262005	MW-10	11/11/01	16:40							
			SOP-175		10		14		11/21/01	09:06
			SOP-175		10		14		11/21/01	13:02
D1K130262006	MW-11	11/11/01	12:55							
			SOP-175		10		14		11/21/01	09:14
			SOP-175		10		14		11/21/01	13:08
D1K130262007	MW-14	11/11/01	16:15							
			SOP-175		10		14		11/21/01	10:09
			SOP-175		10		14		11/21/01	10:28
D1K130262008	RSCI-1	11/11/01	08:45							
			SOP-175		10		14		11/21/01	10:44

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: METALS

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K130262001	SK-11S	11/11/01	14:45							
			6010B		8		180		11/19/01 15:33	ICP
			6010B		9		180		11/20/01 12:08	ICP
			6010B		9		180		11/20/01 19:12	ICP
D1K130262003	HRI-03	11/11/01	09:15							
			6010B		8		180		11/19/01 15:37	ICP
			6010B		9		180		11/20/01 12:12	ICP
			6010B		9		180		11/20/01 19:18	ICP
D1K130262004	WND-32	11/11/01	13:20							
			6010B		8		180		11/19/01 15:48	ICP
			6010B		9		180		11/20/01 12:16	ICP
			6010B		9		180		11/20/01 19:24	ICP
D1K130262005	MW-10	11/11/01	16:40							
			6010B		8		180		11/19/01 15:52	ICP
			6010B		9		180		11/20/01 12:20	ICP
			6010B		9		180		11/20/01 19:30	ICP
D1K130262006	MW-11	11/11/01	12:55							
			6010B		8		180		11/19/01 15:56	ICP
			6010B		9		180		11/20/01 12:24	ICP
			6010B		9		180		11/20/01 19:36	ICP
D1K130262007	MW-14	11/11/01	16:15							
			6010B		8		180		11/19/01 15:59	ICP
			6010B		9		180		11/20/01 12:27	ICP
			6010B		9		180		11/20/01 19:41	ICP
D1K130262008	RSCI-1	11/11/01	08:45							
			6010B		8		180		11/19/01 16:03	ICP
			6010B		9		180		11/20/01 12:31	ICP
			6010B		9		180		11/20/01 19:59	ICP

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GENERAL CHEMISTRY

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K130262001	SK-11S	11/11/01 14:45								
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			415.1		12		28		11/23/01 02:00	
			325.2		5		28		11/16/01 13:00	
			353.2		3		28		11/14/01 08:00	Nitrate-Nitrite
			160.1		4		7		11/15/01 12:00	TDS
			375.4		16		28		11/27/01 13:00	
D1K130262003	HRI-03	11/11/01 09:15								
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			415.1		12		28		11/23/01 02:00	
			325.2		5		28		11/16/01 13:00	
			353.2		3		28		11/14/01 08:00	Nitrate-Nitrite
			160.1		4		7		11/15/01 12:00	TDS
			375.4		16		28		11/27/01 13:00	
D1K130262004	WND-32	11/11/01 13:20								
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			415.1		12		28		11/23/01 03:00	
			325.2		5		28		11/16/01 13:00	
			353.2		3		28		11/14/01 08:00	Nitrate-Nitrite
			160.1		5		7		11/16/01 18:00	TDS
			375.4		16		28		11/27/01 13:00	
D1K130262005	MW-10	11/11/01 16:40								
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			415.1		12		28		11/23/01 03:00	
			325.2		5		28		11/16/01 13:00	
			353.2		3		28		11/14/01 08:00	Nitrate-Nitrite
			160.1		5		7		11/16/01 18:00	TDS
			375.4		16		28		11/27/01 13:00	

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GENERAL CHEMISTRY

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K130262006	MW-11	11/11/01 12:55								
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			415.1		12		28		11/23/01 03:00	
			325.2		5		28		11/16/01 13:00	
			353.2		3		28		11/14/01 08:00	Nitrate-Nitrite
			160.1		4		7		11/15/01 12:00	TDS
			375.4		16		28		11/27/01 13:00	
D1K130262007	MW-14	11/11/01 16:15								
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			415.1		12		28		11/23/01 03:00	
			325.2		5		28		11/16/01 13:00	
			353.2		3		28		11/14/01 08:00	Nitrate-Nitrite
			160.1		4		7		11/15/01 12:00	TDS
			375.4		16		28		11/27/01 13:00	
D1K130262008	RSCI-1	11/11/01 08:45								
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			310.1		8		14		11/19/01 14:00	Alkalinity
			415.1		12		28		11/23/01 03:00	
			325.2		5		28		11/16/01 13:00	
			353.2		3		28		11/14/01 08:00	Nitrate-Nitrite
			160.1		4		7		11/15/01 12:00	TDS
			375.4		16		28		11/27/01 13:00	

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

SEVERN
TRENT
SERVICES

Sewern Trent Laboratories, Inc.

STL-4124 (1200)

DEN (0900)

Client Safety-Kleen (Wichita) Inc., Facility		Project Manager Kay Tauscher (Carena - Cole)		Date 11/12/01	Chain of Custody Number 090687
Address 2549 North New York Avenue		Telephone Number (Area Code)/Fax Number 303-938-5535 / 303-938-5520		Lab Number	Page _____ of _____

City Wichita	State KS	Zip Code 67219	Site Contact Russell Dunn	Lab Contact Kae Votter	Analysis (Attach list if more space is needed)
Project Name and Location (State) S-K Wichita Facility, Wichita, KS			Carrier/Waybill Number		Special Instructions/ Conditions of Receipt
Contract/Purchase Order/Quote No.					

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives																			
			Air	Aqueous	Sed	Soil	Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc	NaOH	HNO3	VDG	TDS/ALE/CL/SW	Dissolved Gases	Total Metals	Dissolved Metals	TOC/NH3/NAN						
SK-115	11/11/01	1445	X				1	1						2	3	1	3	1	1	1						
RB-111101	11/11/01	1450	X							3				3												
HRI-03			X				1	1		6				2	3	1	3	1	1	1						
WMD-32			X				1	1		6				2	3	1	3	1	1	1						
MW-10			X				1	1		6				2	3	1	3	1	1	1						
MW-11			X				1	1		6				2	3	1	3	1	1	1						
MW-14			X				1	1		6				2	3	1	3	1	1	1						
SK-B&O			X				1	1		6				2	3	1	3	1	1	1						
RSCF-1	11/11/01	0845	X				1	1		6				2	3	1	3	1	1	1						
FB-111101	11/11/01	1455	X							3				3												

Possible Hazard Identification	Sample Disposal	(A fee may be assessed if samples are retained longer than 3 months)
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	

Turn Around Time Required	QC Requirements (Specify)
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input checked="" type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other _____	

1. Relinquished By Phyllis N. Caranda	Date 11/12/01	Time 1:00	1. Received By Jim Mandy	Date 11/13/01	Time 10:15
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments
☒ Please call Kay Tauscher immediately with questions. / Residue Blank was taken off of decontam peristaltic pump.

DISTRIBUTION: WHITE - Stays with the Sample. CANARY - Returned to Client with Report. PINK - Field Copy

**SEVERN
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SERVICES**

STL Denver
4955 Yarrow Street
Arvada, CO 80002-4517

Tel: 303 736 0100
Fax: 303 431 7171
www.stl-inc.com

ANALYTICAL REPORT

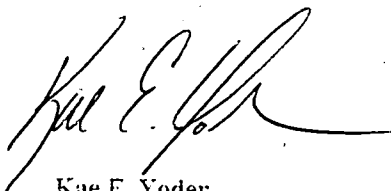
SAFETY KLEEN (WICHITA, KS)

Lot #: D1K070112

Kay Tauscher

Cameron-Cole LLC
5777 Central Avenue, Suite 100
Boulder, CO 80301

SEVERN TRENT LABORATORIES, INC.



Kae E. Yoder
Project Manager

November 12, 2001

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STL Denver is a part of Severn Trent Laboratories, Inc.

Invoice

STL Denver
4955 Yarrow Street
Arvada, CO 80002

Tel: (303) 421-6611
Fax: (303) 431-7171

REMIT
TO:

Severn Trent Laboratories, Inc.
P.O. Box 7777 W4305
Philadelphia, PA 19175-4305

Bill To:

John Arbuthnot
Safety Kleen Inc
13351 Scenic Highway
Baton Rouge, LA 70807

Line No. Qty. Matrix Code

Analysis Description

Unit Price

Extended Price

10 WATER WATER, Volatile Organics, 8260B

97.00

970.00

970.00

100% SURCHARGE-1 DAY TAT

970.00

* Copy *

NOTE: Applicable samples will be stored at no extra charge for a period of 30 days following the final report. Samples will be properly disposed of after 30 days, unless notified otherwise in writing.

Please reference Invoice number when remitting.

Customer PO. Number / Contract Number / Reference

STL Project Manager
Kae Yoder

Salesperson

Sub Total

Tax

Total

1,940.00

ORIGINAL
Severn Trent Laboratories, Inc

SEVERN
TRENT
SERVICES

Number

28032288

Date

12 NOV 01

STL Project Number

D1K070112

Customer Number

00408171

Terms

NET 30 DAYS

Customer Contact

SAMPLE RECEIVING DATE : 11/07/01

REPORT DATE : 11/12/01

Kay Tauscher

Cameron-Cole LLC
5777 Central Avenue
Suite 100
Boulder, CO 80301

Table Of Contents

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Report Contents

Total Number of Pages

Standard Deliverables

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- Executive Summary – Detection Highlights
- Methods Summary
- Method/Analyst Summary
- Lot Sample Summary
- Analytical Results
- QC Data Association Summary
- Hold Time Report
- Chain-of-Custody

CASE NARRATIVE

Client Name: Safety-Kleen (Wichita)
Project Name:
Project Number:
Sample Delivery Group: D1K070112
Narrative Date: 11/12/01

Sample Receipt

- Ten water samples, submitted by Safety-Kleen (Wichita), Inc., were received by STL Denver on November 7, 2001, according to documented sample acceptance procedures. The samples were received intact at a temperature of 5.1°C. Analyses requested on the associated chains-of-custody are as follows: GC/MS Volatiles. No anomalies were encountered during sample receipt.
- Results for additional samples listed on the chains-of-custody are reported under separate cover.

GC/MS Volatiles

- Sample analysis did not reveal any detected target analytes at or above Safety-Kleen (Wichita)'s RLs, with the exception of the items noted in the following table.

Sample ID	Parameter	Detection	RL	Units
B-71S	1,1-Dichloroethane	2.0	1.0	ug/L
	cis-1,2-Dichloroethene	23	1.0	ug/L
	Tetrachloroethene	24	1.0	ug/L
	Trichloroethene	3.0	1.0	ug/L
	Vinyl chloride	14	1.0	ug/L
B-72S	1,1-Dichloroethane	5.0	1.0	ug/L
B-73S	cis-1,2-Dichloroethene	3.8	1.0	ug/L
B-74S	1,1-Dichloroethane	12	5.0	ug/L
	cis-1,2-Dichloroethene	110	5.0	ug/L
	Methylene chloride	5.4	5.0	ug/L
	Tetrachloroethene	25	5.0	ug/L
	1,1,1-Trichloroethane	32	5.0	ug/L
	Trichloroethene	26	5.0	ug/L
B-75S	sec-Butylbenzene	4.7	4.0	ug/L
	Benzene	8.4	4.0	ug/L
B-75D	Trichloroethene	1.4	1.0	ug/L

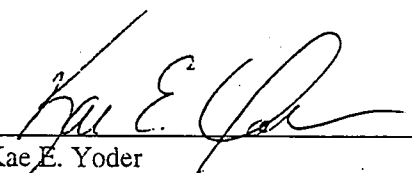
- The samples were analyzed within holding time and without incident, with the exception of the following items noted.
- Samples B-71S and B-73D were received at the laboratory with a pH value >2.0. The samples were analyzed within 7 days of sample collection. For samples analyzed within the normal 14 day holding time, experimental evidence suggests that some aromatic compounds in wastewater samples, notably benzene, toluene, and ethylbenzene are susceptible to biological degradation if samples are not preserved to a pH of 2.0.
- Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. Due to analytes present above the linear calibration curve, sample B-74S had to be analyzed at a 1:5 dilution, and sample B-75S had to be analyzed at a 1:4 dilution. The reporting limits have been adjusted relative to the dilution required.

- Standard batch MS/MSD has been provided. All spike parameters were within QC control limits with the exception of the items noted in the following table. The acceptable LCS/LCSD analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

Parameter	QC Batch/ Specific Sample	MS %Rec	MSD %Rec	Recovery Limits	RPD	RPD Limits
Benzene	QC Batch 1313389	76	91	79-119	3.6	0-20

These data and reporting limits are being used specifically to meet the needs of this project. All RLs are supported by STL Denver's Method Detection Limits (MDLs). Reporting limits in this report are at or above the MDL.

I certify that the data presented in this report are accurate, complete, and meets the minimum quality assurance standards in 40-CFR 136, 40-CFR 141, and/or SW846. The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. An assessment of the quality of the data, noting any exceptions, outliers, and/or problems encountered have been narrated herein.


Kae E. Yoder
Project Manager

11/12/01
Date

EXECUTIVE SUMMARY - Detection Highlights

D1K070112

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
B-71S 11/06/01 10:45 002				
1,1-Dichloroethane	2.0	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	23	1.0	ug/L	SW846 8260B
Tetrachloroethene	24	1.0	ug/L	SW846 8260B
Trichloroethene	3.0	1.0	ug/L	SW846 8260B
Vinyl chloride	14	1.0	ug/L	SW846 8260B
B-72S 11/06/01 11:08 003				
1,1-Dichloroethane	5.0	1.0	ug/L	SW846 8260B
B-73S 11/06/01 11:50 005				
cis-1,2-Dichloroethene	3.8	1.0	ug/L	SW846 8260B
B-74S 11/06/01 13:45 007				
1,1-Dichloroethane	12	5.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	110	5.0	ug/L	SW846 8260B
Methylene chloride	5.4	5.0	ug/L	SW846 8260B
Tetrachloroethene	25	5.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	32	5.0	ug/L	SW846 8260B
Trichloroethene	26	5.0	ug/L	SW846 8260B
B-75S 11/06/01 14:35 009				
sec-Butylbenzene	4.7	4.0	ug/L	SW846 8260B
Benzene	8.4	4.0	ug/L	SW846 8260B
B-75D 11/06/01 14:45 010				
Trichloroethene	1.4	1.0	ug/L	SW846 8260B

METHODS SUMMARY

D1K070112

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

DIK070112

<u>ANALYTICAL METHOD</u>	<u>ANALYST</u>	<u>ANALYST ID</u>
SW846 8260B	Nathan Henry	004397

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

D1K070112

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
ENF2N	001	B-71D	11/06/01	10:35
ENF2T	002	B-71S	11/06/01	10:45
ENF2W	003	B-72S	11/06/01	11:08
ENF2X	004	B-72D	11/06/01	11:15
ENF21	005	B-73S	11/06/01	11:50
ENF22	006	B-73D	11/06/01	12:15
ENF23	007	B-74S	11/06/01	13:45
ENF25	008	B-74D	11/06/01	14:00
ENF26	009	B-75S	11/06/01	14:35
ENF27	010	B-75D	11/06/01	14:45

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

CAMERON-COLE LLC

Client Sample ID: B-71D

GC/MS Volatiles

Lot-Sample #....: D1K070112-001 Work Order #....: ENF2N1AA Matrix.....: WATER
 Date Sampled....: 11/06/01 10:35 Date Received...: 11/07/01
 Prep Date.....: 11/07/01 Analysis Date...: 11/07/01
 Prep Batch #....: 1312554 Analysis Time...: 18:39
 Dilution Factor: 1
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

(Continued on next page)

CAMERON-COLE LLC

Client Sample ID: B-71D

GC/MS Volatiles

Lot-Sample #....: D1K070112-001 Work Order #....: ENF2N1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(80 - 120)
1,2-Dichloroethane-d4	100	(72 - 127)
4-Bromofluorobenzene	95	(79 - 119)
Toluene-d8	101	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: B-71S

GC/MS Volatiles

Lot-Sample #....: D1K070112-002 Work Order #....: ENF2T1AA Matrix.....: WATER
 Date Sampled....: 11/06/01 10:45 Date Received...: 11/07/01
 Prep Date.....: 11/08/01 Analysis Date...: 11/08/01
 Prep Batch #....: 1313389 Analysis Time...: 12:49
 Dilution Factor: 1
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	2.0	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	23	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

(Continued on next page)

CAMERON-COLE LLC

Client Sample ID: B-71S

GC/MS Volatiles

Lot-Sample #....: D1K070112-002

Work Order #....: ENF2T1AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	24	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	3.0	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	14	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(80 - 120)
1,2-Dichloroethane-d4	113	(72 - 127)
4-Bromofluorobenzene	97	(79 - 119)
Toluene-d8	98	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: B-72S

GC/MS Volatiles

Lot-Sample #....: D1K070112-003 Work Order #....: ENF2W1AA Matrix.....: WATER
 Date Sampled....: 11/06/01 11:08 Date Received...: 11/07/01
 Prep Date.....: 11/07/01 Analysis Date...: 11/07/01
 Prep Batch #....: 1312554 Analysis Time...: 19:27
 Dilution Factor: 1
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	5.0	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

(Continued on next page)

CAMERON-COLE LLC

Client Sample ID: B-72S

GC/MS Volatiles

Lot-Sample #....: D1K070112-003

Work Order #....: ENF2W1AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(80 - 120)
1,2-Dichloroethane-d4	102	(72 - 127)
4-Bromofluorobenzene	92	(79 - 119)
Toluene-d8	99	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: B-72D

GC/MS Volatiles

Lot-Sample #....: D1K070112-004 Work Order #....: ENF2X1AA Matrix.....: WATER
 Date Sampled....: 11/06/01 11:15 Date Received...: 11/07/01
 Prep Date.....: 11/07/01 Analysis Date...: 11/07/01
 Prep Batch #....: 1312554 Analysis Time...: 19:51
 Dilution Factor: 1
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: B-72D

GC/MS Volatiles

Lot-Sample #....: D1K070112-004

Work Order #....: ENF2X1AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(80 - 120)
1,2-Dichloroethane-d4	94	(72 - 127)
4-Bromofluorobenzene	86	(79 - 119)
Toluene-d8	99	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: B-73S

GC/MS Volatiles

Lot-Sample #....: D1K070112-005 Work Order #....: ENF211AA Matrix.....: WATER
Date Sampled....: 11/06/01 11:50 Date Received...: 11/07/01
Prep Date.....: 11/07/01 Analysis Date...: 11/07/01
Prep Batch #....: 1312554 Analysis Time...: 20:15
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	3.8	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: B-73S

GC/MS Volatiles

Lot-Sample #....: D1K070112-005 Work Order #....: ENF211AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(80 - 120)
1,2-Dichloroethane-d4	100	(72 - 127)
4-Bromofluorobenzene	92	(79 - 119)
Toluene-d8	99	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: B-73D

GC/MS Volatiles

Lot-Sample #....: D1K070112-006 Work Order #....: ENF221AA Matrix.....: WATER
 Date Sampled....: 11/06/01 12:15 Date Received...: 11/07/01
 Prep Date.....: 11/07/01 Analysis Date...: 11/07/01
 Prep Batch #....: 1312554 Analysis Time...: 20:39
 Dilution Factor: 1
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: B-73D

GC/MS Volatiles

Lot-Sample #....: D1K070112-006 Work Order #....: ENF221AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Dibromofluoromethane	95	(80 - 120)
1,2-Dichloroethane-d4	96	(72 - 127)
4-Bromofluorobenzene	89	(79 - 119)
Toluene-d8	96	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: B-74S

GC/MS Volatiles

Lot-Sample #....: D1K070112-007 Work Order #....: ENF231AA Matrix.....: WATER
 Date Sampled....: 11/06/01 13:45 Date Received...: 11/07/01
 Prep Date.....: 11/07/01 Analysis Date...: 11/07/01
 Prep Batch #....: 1312554 Analysis Time...: 21:03
 Dilution Factor: 5 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromobenzene	ND	5.0	ug/L
Bromochloromethane	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
Bromomethane	ND	10	ug/L
n-Butylbenzene	ND	5.0	ug/L
sec-Butylbenzene	ND	5.0	ug/L
tert-Butylbenzene	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Benzene	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Chlorodibromomethane	ND	5.0	ug/L
Chloroethane	ND	10	ug/L
Chloroform	ND	5.0	ug/L
Chloromethane	ND	10	ug/L
2-Chlorotoluene	ND	5.0	ug/L
4-Chlorotoluene	ND	5.0	ug/L
Dibromomethane	ND	5.0	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L
Dichlorodifluoromethane	ND	10	ug/L
1,1-Dichloroethane	12	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
1,1-Dichloroethene	ND	5.0	ug/L
cis-1,2-Dichloroethene	110	5.0	ug/L
trans-1,2-Dichloroethene	ND	2.5	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
1,3-Dichloropropane	ND	5.0	ug/L
2,2-Dichloropropane	ND	25	ug/L
1,1-Dichloropropene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Trichlorofluoromethane	ND	10	ug/L
Hexachlorobutadiene	ND	5.0	ug/L
Isopropylbenzene	ND	5.0	ug/L
p-Isopropyltoluene	ND	5.0	ug/L
Methylene chloride	5.4	5.0	ug/L
Naphthalene	ND	5.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: B-74S

GC/MS Volatiles

Lot-Sample #: D1K070112-007

Work Order #: ENF231AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	5.0	ug/L
Styrene	ND	5.0	ug/L
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Tetrachloroethene	25	5.0	ug/L
Toluene	ND	5.0	ug/L
1,2,3-Trichlorobenzene	ND	5.0	ug/L
1,2,4-Trichloro- benzene	ND	5.0	ug/L
1,1,1-Trichloroethane	32	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Trichloroethene	26	5.0	ug/L
1,2,3-Trichloropropane	ND	5.0	ug/L
1,2,4-Trimethylbenzene	ND	5.0	ug/L
1,3,5-Trimethylbenzene	ND	5.0	ug/L
Vinyl chloride	ND	5.0	ug/L
o-Xylene	ND	5.0	ug/L
m-Xylene & p-Xylene	ND	10	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	10	ug/L
1,2-Dibromoethane (EDB)	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(80 - 120)
1,2-Dichloroethane-d4	105	(72 - 127)
4-Bromofluorobenzene	95	(79 - 119)
Toluene-d8	100	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: B-74D

GC/MS Volatiles

Lot-Sample #....: D1K070112-008 Work Order #....: ENF251AA Matrix.....: WATER
 Date Sampled....: 11/06/01 14:00 Date Received...: 11/07/01
 Prep Date.....: 11/07/01 Analysis Date...: 11/07/01
 Prep Batch #....: 1312554 Analysis Time...: 21:27
 Dilution Factor: 1
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: B-74D

GC/MS Volatiles

Lot-Sample #....: D1K070112-008 Work Order #....: ENF251AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L

SURROGATE	PERCENT	
	RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(80 - 120)
1,2-Dichloroethane-d4	101	(72 - 127)
4-Bromofluorobenzene	92	(79 - 119)
Toluene-d8	94	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: B-75S

GC/MS Volatiles

Lot-Sample #....: D1K070112-009 Work Order #....: ENF261AA Matrix.....: WATER
 Date Sampled....: 11/06/01 14:35 Date Received...: 11/07/01
 Prep Date.....: 11/07/01 Analysis Date...: 11/07/01
 Prep Batch #....: 1312554 Analysis Time...: 21:52
 Dilution Factor: 4
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromobenzene	ND	4.0	ug/L
Bromochloromethane	ND	4.0	ug/L
Bromodichloromethane	ND	4.0	ug/L
Bromoform	ND	4.0	ug/L
Bromomethane	ND	8.0	ug/L
n-Butylbenzene	ND	4.0	ug/L
sec-Butylbenzene	4.7	4.0	ug/L
tert-Butylbenzene	ND	4.0	ug/L
Carbon tetrachloride	ND	4.0	ug/L
Benzene	8.4	4.0	ug/L
Chlorobenzene	ND	4.0	ug/L
Chlorodibromomethane	ND	4.0	ug/L
Chloroethane	ND	8.0	ug/L
Chloroform	ND	4.0	ug/L
Chloromethane	ND	8.0	ug/L
2-Chlorotoluene	ND	4.0	ug/L
4-Chlorotoluene	ND	4.0	ug/L
Dibromomethane	ND	4.0	ug/L
1,2-Dichlorobenzene	ND	4.0	ug/L
1,3-Dichlorobenzene	ND	4.0	ug/L
1,4-Dichlorobenzene	ND	4.0	ug/L
Dichlorodifluoromethane	ND	8.0	ug/L
1,1-Dichloroethane	ND	4.0	ug/L
1,2-Dichloroethane	ND	4.0	ug/L
1,1-Dichloroethene	ND	4.0	ug/L
cis-1,2-Dichloroethene	ND	4.0	ug/L
trans-1,2-Dichloroethene	ND	2.0	ug/L
1,2-Dichloropropane	ND	4.0	ug/L
1,3-Dichloropropane	ND	4.0	ug/L
2,2-Dichloropropane	ND	20	ug/L
1,1-Dichloropropene	ND	4.0	ug/L
Ethylbenzene	ND	4.0	ug/L
Trichlorofluoromethane	ND	8.0	ug/L
Hexachlorobutadiene	ND	4.0	ug/L
Isopropylbenzene	ND	4.0	ug/L
p-Isopropyltoluene	ND	4.0	ug/L
Methylene chloride	ND	4.0	ug/L
Naphthalene	ND	4.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: B-75S

GC/MS Volatiles

Lot-Sample #....: D1K070112-009

Work Order #....: ENF261AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
n-Propylbenzene	ND	4.0	ug/L
Styrene	ND	4.0	ug/L
1,1,1,2-Tetrachloroethane	ND	4.0	ug/L
1,1,2,2-Tetrachloroethane	ND	4.0	ug/L
Tetrachloroethene	ND	4.0	ug/L
Toluene	ND	4.0	ug/L
1,2,3-Trichlorobenzene	ND	4.0	ug/L
1,2,4-Trichloro- benzene	ND	4.0	ug/L
1,1,1-Trichloroethane	ND	4.0	ug/L
1,1,2-Trichloroethane	ND	4.0	ug/L
Trichloroethene	ND	4.0	ug/L
1,2,3-Trichloropropane	ND	4.0	ug/L
1,2,4-Trimethylbenzene	ND	4.0	ug/L
1,3,5-Trimethylbenzene	ND	4.0	ug/L
Vinyl chloride	ND	4.0	ug/L
o-Xylene	ND	4.0	ug/L
m-Xylene & p-Xylene	ND	8.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	8.0	ug/L
1,2-Dibromoethane (EDB)	ND	4.0	ug/L
SURROGATE	PERCENT	RECOVERY	
	RECOVERY	LIMITS	
Dibromofluoromethane	104	(80 - 120)	
1,2-Dichloroethane-d4	104	(72 - 127)	
4-Bromofluorobenzene	101	(79 - 119)	
Toluene-d8	99	(79 - 119)	

CAMERON-COLE LLC

Client Sample ID: B-75D

GC/MS Volatiles

Lot-Sample #....: D1K070112-010 Work Order #....: ENF271AA Matrix.....: WATER
 Date Sampled....: 11/06/01 14:45 Date Received...: 11/07/01
 Prep Date.....: 11/07/01 Analysis Date...: 11/07/01
 Prep Batch #....: 1312554 Analysis Time...: 22:16
 Dilution Factor: 1
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: B-75D

GC/MS Volatiles

Lot-Sample #....: D1K070112-010

Work Order #....: ENF271AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	1.4	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(80 - 120)
1,2-Dichloroethane-d4	100	(72 - 127)
4-Bromofluorobenzene	95	(79 - 119)
Toluene-d8	94	(79 - 119)

QC DATA ASSOCIATION SUMMARY

D1K070112

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	SW846 8260B		1312554	1312291
002	WATER	SW846 8260B		1313389	1313194
003	WATER	SW846 8260B		1312554	1312291
004	WATER	SW846 8260B		1312554	1312291
005	WATER	SW846 8260B		1312554	1312291
006	WATER	SW846 8260B		1312554	1312291
007	WATER	SW846 8260B		1312554	1312291
008	WATER	SW846 8260B		1312554	1312291
009	WATER	SW846 8260B		1312554	1312291
010	WATER	SW846 8260B		1312554	1312291

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K070112 Work Order #....: ENLNXLAC-LCS Matrix.....: WATER
 LCS Lot-Sample#: D1K080000-554 ENLNXLAD-LCSD
 Prep Date.....: 11/07/01 Analysis Date...: 11/07/01
 Prep Batch #....: 1312554 Analysis Time...: 12:32
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	104	(79 - 119)			SW846 8260B
	102	(79 - 119)	2.0	(0-20)	SW846 8260B
Benzene	95	(79 - 119)			SW846 8260B
	96	(79 - 119)	1.6	(0-20)	SW846 8260B
Chlorobenzene	93	(76 - 116)			SW846 8260B
	96	(76 - 116)	3.7	(0-20)	SW846 8260B
Toluene	95	(75 - 122)			SW846 8260B
	97	(75 - 122)	2.1	(0-20)	SW846 8260B
Trichloroethene	97	(81 - 121)			SW846 8260B
	99	(81 - 121)	2.6	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(80 - 120)
	101	(80 - 120)
1,2-Dichloroethane-d4	104	(72 - 127)
	104	(72 - 127)
4-Bromofluorobenzene	92	(79 - 119)
	93	(79 - 119)
Toluene-d8	96	(79 - 119)
	97	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K070112 Work Order #....: ENLNXLAC-LCS Matrix.....: WATER
 LCS Lot-Sample#: D1K080000-554 ENLNXLAD-LCSD
 Prep Date.....: 11/07/01 Analysis Date...: 11/07/01
 Prep Batch #....: 1312554 Analysis Time...: 12:32
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.2	ug/L	102	2.0	SW846 8260B
Benzene	10.0	9.48	ug/L	95		SW846 8260B
	10.0	9.63	ug/L	96	1.6	SW846 8260B
Chlorobenzene	10.0	9.27	ug/L	93		SW846 8260B
	10.0	9.62	ug/L	96	3.7	SW846 8260B
Toluene	10.0	9.54	ug/L	95		SW846 8260B
	10.0	9.74	ug/L	97	2.1	SW846 8260B
Trichloroethene	10.0	9.67	ug/L	97		SW846 8260B
	10.0	9.92	ug/L	99	2.6	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(80 - 120)
	101	(80 - 120)
1,2-Dichloroethane-d4	104	(72 - 127)
	104	(72 - 127)
4-Bromofluorobenzene	92	(79 - 119)
	93	(79 - 119)
Toluene-d8	96	(79 - 119)
	97	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K070112 Work Order #....: ENNG71AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: D1K090000-389 ENNG71AD-LCSD
 Prep Date.....: 11/08/01 Analysis Date...: 11/08/01
 Prep Batch #....: 1313389 Analysis Time...: 11:26
 Dilution Factor: 1

PARAMETER	PERCENT	RECOVERY	RPD	RPD	METHOD
	RECOVERY	LIMITS		LIMITS	
1,1-Dichloroethene	101	(79 - 119)			SW846 8260B
	98	(79 - 119)	3.6	(0-20)	SW846 8260B
Benzene	98	(79 - 119)			SW846 8260B
	97	(79 - 119)	1.8	(0-20)	SW846 8260B
Chlorobenzene	96	(76 - 116)			SW846 8260B
	93	(76 - 116)	2.8	(0-20)	SW846 8260B
Toluene	98	(75 - 122)			SW846 8260B
	95	(75 - 122)	3.2	(0-20)	SW846 8260B
Trichloroethene	99	(81 - 121)			SW846 8260B
	97	(81 - 121)	1.8	(0-20)	SW846 8260B

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Dibromofluoromethane	106	(80 - 120)
	102	(80 - 120)
1,2-Dichloroethane-d4	109	(72 - 127)
	103	(72 - 127)
4-Bromofluorobenzene	96	(79 - 119)
	94	(79 - 119)
Toluene-d8	103	(79 - 119)
	98	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K070112 Work Order #....: ENNG71AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: D1K090000-389 ENNG71AD-LCSD
 Prep Date.....: 11/08/01 Analysis Date...: 11/08/01
 Prep Batch #....: 1313389 Analysis Time...: 11:26
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	10.1	ug/L	101		SW846 8260B
	10.0	9.77	ug/L	98	3.6	SW846 8260B
Benzene	10.0	9.85	ug/L	98		SW846 8260B
	10.0	9.67	ug/L	97	1.8	SW846 8260B
Chlorobenzene	10.0	9.57	ug/L	96		SW846 8260B
	10.0	9.30	ug/L	93	2.8	SW846 8260B
Toluene	10.0	9.76	ug/L	98		SW846 8260B
	10.0	9.45	ug/L	95	3.2	SW846 8260B
Trichloroethene	10.0	9.89	ug/L	99		SW846 8260B
	10.0	9.71	ug/L	97	1.8	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(80 - 120)
	102	(80 - 120)
1,2-Dichloroethane-d4	109	(72 - 127)
	103	(72 - 127)
4-Bromofluorobenzene	96	(79 - 119)
	94	(79 - 119)
Toluene-d8	103	(79 - 119)
	98	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K070112
MB Lot-Sample #: D1K080000-554

Work Order #....: ENLNX1AA

Matrix.....: WATER

Analysis Date...: 11/07/01
Dilution Factor: 1

Prep Date.....: 11/07/01
Prep Batch #....: 1312554

Analysis Time...: 12:08

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
1,4-Dichlorobenzene	ND	1.0	ug/L		SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L		SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/L		SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L		SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L		SW846 8260B
Isopropylbenzene	ND	1.0	ug/L		SW846 8260B
Benzene	ND	1.0	ug/L		SW846 8260B
Bromodichloromethane	ND	1.0	ug/L		SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L		SW846 8260B
Bromoform	ND	1.0	ug/L		SW846 8260B
Bromomethane	ND	2.0	ug/L		SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L		SW846 8260B
Chlorobenzene	ND	1.0	ug/L		SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L		SW846 8260B
Chloroethane	ND	2.0	ug/L		SW846 8260B
Chloroform	ND	1.0	ug/L		SW846 8260B
Chloromethane	ND	2.0	ug/L		SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L		SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L		SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L		SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L		SW846 8260B
trans-1,2-Dichloroethene	ND	0.50	ug/L		SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L		SW846 8260B
Ethylbenzene	ND	1.0	ug/L		SW846 8260B
Methylene chloride	ND	1.0	ug/L		SW846 8260B
Styrene	ND	1.0	ug/L		SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L		SW846 8260B
Tetrachloroethene	ND	1.0	ug/L		SW846 8260B
Toluene	ND	1.0	ug/L		SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L		SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L		SW846 8260B
Trichloroethene	ND	1.0	ug/L		SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L		SW846 8260B
Vinyl chloride	ND	1.0	ug/L		SW846 8260B
Naphthalene	ND	1.0	ug/L		SW846 8260B
n-Propylbenzene	ND	1.0	ug/L		SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L		SW846 8260B
n-Butylbenzene	ND	1.0	ug/L		SW846 8260B
Bromobenzene	ND	1.0	ug/L		SW846 8260B
Bromochloromethane	ND	1.0	ug/L		SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L		SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K070112

Work Order #....: ENLNK1AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
tert-Butylbenzene	ND	1.0	ug/L		SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L		SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L		SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L		SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L		SW846 8260B
Dibromomethane	ND	1.0	ug/L		SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L		SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L		SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L		SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L		SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L		SW846 8260B
1,2,4-Trichlorobenzene	ND	1.0	ug/L		SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L		SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L		SW846 8260B
o-Xylene	ND	1.0	ug/L		SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L		SW846 8260B
SURROGATE	PERCENT		RECOVERY		
	RECOVERY		LIMITS		
Dibromofluoromethane	107		(80 - 120)		
1,2-Dichloroethane-d4	104		(72 - 127)		
4-Bromofluorobenzene	99		(79 - 119)		
Toluene-d8	105		(79 - 119)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K070112
MB Lot-Sample #: D1K090000-389

Work Order #....: ENNG71AA

Matrix.....: WATER

Analysis Date...: 11/08/01

Prep Date.....: 11/08/01

Analysis Time...: 12:14

Dilution Factor: 1

Prep Batch #....: 1313389

REPORTING

PARAMETER	RESULT	LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	0.50	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Naphthalene	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K070112

Work Order #....: ENNG71AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		METHOD
		LIMIT	UNITS	
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro- benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
SURROGATE	PERCENT	RECOVERY		
	RECOVERY	LIMITS		
Dibromofluoromethane	100	(80 - 120)		
1,2-Dichloroethane-d4	101	(72 - 127)		
4-Bromofluorobenzene	96	(79 - 119)		
Toluene-d8	97	(79 - 119)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K070112 Work Order #....: EM48W1AC-MS Matrix.....: WATER
 MS Lot-Sample #: D1J310211-002 EM48W1AD-MSD
 Date Sampled....: 10/30/01 11:40 Date Received...: 10/31/01
 Prep Date.....: 11/07/01 Analysis Date...: 11/07/01
 Prep Batch #....: 1312554 Analysis Time...: 16:15
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	101	(79 - 119)			SW846 8260B
	97	(79 - 119)	3.8	(0-20)	SW846 8260B
Benzene	97	(79 - 119)			SW846 8260B
	95	(79 - 119)	2.1	(0-20)	SW846 8260B
Chlorobenzene	96	(76 - 116)			SW846 8260B
	93	(76 - 116)	2.2	(0-20)	SW846 8260B
Toluene	97	(75 - 122)			SW846 8260B
	94	(75 - 122)	2.5	(0-20)	SW846 8260B
Trichloroethene	98	(81 - 121)			SW846 8260B
	96	(81 - 121)	1.9	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(80 - 120)
	100	(80 - 120)
1,2-Dichloroethane-d4	103	(72 - 127)
	101	(72 - 127)
4-Bromofluorobenzene	98	(79 - 119)
	98	(79 - 119)
Toluene-d8	99	(79 - 119)
	98	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K070112 Work Order #....: EM48W1AC-MS Matrix.....: WATER
 MS Lot-Sample #: D1J310211-002 EM48W1AD-MSD
 Date Sampled....: 10/30/01 11:40 Date Received...: 10/31/01
 Prep Date.....: 11/07/01 Analysis Date...: 11/07/01
 Prep Batch #....: 1312554 Analysis Time...: 16:15
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	10.0	10.3	ug/L	101		SW846 8260B
	ND	10.0	9.91	ug/L	97	3.8	SW846 8260B
Benzene	ND	10.0	9.66	ug/L	97		SW846 8260B
	ND	10.0	9.47	ug/L	95	2.1	SW846 8260B
Chlorobenzene	ND	10.0	9.56	ug/L	96		SW846 8260B
	ND	10.0	9.34	ug/L	93	2.2	SW846 8260B
Toluene	ND	10.0	9.66	ug/L	97		SW846 8260B
	ND	10.0	9.42	ug/L	94	2.5	SW846 8260B
Trichloroethene	ND	10.0	9.83	ug/L	98		SW846 8260B
	ND	10.0	9.64	ug/L	96	1.9	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(80 - 120)
	100	(80 - 120)
1,2-Dichloroethane-d4	103	(72 - 127)
	101	(72 - 127)
4-Bromofluorobenzene	98	(79 - 119)
	98	(79 - 119)
Toluene-d8	99	(79 - 119)
	98	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K070112 Work Order #....: EM5PN1AF-MS Matrix.....: WATER
 MS Lot-Sample #: D1J310270-007 EM5PN1AG-MSD
 Date Sampled....: 10/30/01 10:25 Date Received...: 10/31/01
 Prep Date.....: 11/08/01 Analysis Date...: 11/08/01
 Prep Batch #....: 1313389 Analysis Time...: 13:38
 Dilution Factor: 20

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	97	(79 - 119)			SW846 8260B
	100	(79 - 119)	2.6	(0-20)	SW846 8260B
Benzene	76 a	(79 - 119)			SW846 8260B
	91	(79 - 119)	3.6	(0-20)	SW846 8260B
Chlorobenzene	90	(76 - 116)			SW846 8260B
	95	(76 - 116)	4.8	(0-20)	SW846 8260B
Toluene	90	(75 - 122)			SW846 8260B
	95	(75 - 122)	4.6	(0-20)	SW846 8260B
Trichloroethene	95	(81 - 121)			SW846 8260B
	97	(81 - 121)	2.2	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(80 - 120)
	105	(80 - 120)
1,2-Dichloroethane-d4	102	(72 - 127)
	106	(72 - 127)
4-Bromofluorobenzene	97	(79 - 119)
	104	(79 - 119)
Toluene-d8	92	(79 - 119)
	100	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K070112 Work Order #....: EM5PN1AF-MS Matrix.....: WATER
 MS Lot-Sample #: D1J310270-007 EM5PN1AG-MSD
 Date Sampled....: 10/30/01 10:25 Date Received...: 10/31/01
 Prep Date.....: 11/08/01 Analysis Date...: 11/08/01
 Prep Batch #....: 1313389 Analysis Time...: 13:38
 Dilution Factor: 20

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	200	195	ug/L	97		SW846 8260B
	ND	200	200	ug/L	100	2.6	SW846 8260B
Benzene	620	200	774	ug/L	76 a		SW846 8260B
	620	200	803	ug/L	91	3.6	SW846 8260B
Chlorobenzene	ND	200	181	ug/L	90		SW846 8260B
	ND	200	190	ug/L	95	4.8	SW846 8260B
Toluene	ND	200	197	ug/L	90		SW846 8260B
	ND	200	207	ug/L	95	4.6	SW846 8260B
Trichloroethene	ND	200	189	ug/L	95		SW846 8260B
	ND	200	193	ug/L	97	2.2	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(80 - 120)
	105	(80 - 120)
1,2-Dichloroethane-d4	102	(72 - 127)
	106	(72 - 127)
4-Bromofluorobenzene	97	(79 - 119)
	104	(79 - 119)
Toluene-d8	92	(79 - 119)
	100	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

HOLD TIME REPORT

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GCMS VOA

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K070112001	B-71D	11/06/01	10:35							
			8260B		1		14		11/07/01 18:39	VOA
D1K070112002	B-71S	11/06/01	10:45							
			8260B		2		14		11/08/01 12:49	VOA
D1K070112003	B-72S	11/06/01	11:08							
			8260B		1		14		11/07/01 19:27	VOA
D1K070112004	B-72D	11/06/01	11:15							
			8260B		1		14		11/07/01 19:51	VOA
D1K070112005	B-73S	11/06/01	11:50							
			8260B		1		14		11/07/01 20:15	VOA
D1K070112006	B-73D	11/06/01	12:15							
			8260B		1		14		11/07/01 20:39	VOA
D1K070112007	B-74S	11/06/01	13:45							
			8260B		1		14		11/07/01 21:03	VOA
D1K070112008	B-74D	11/06/01	14:00							
			8260B		1		14		11/07/01 21:27	VOA
D1K070112009	B-75S	11/06/01	14:35							
			8260B		1		14		11/07/01 21:52	VOA
D1K070112010	B-75D	11/06/01	14:45							
			8260B		1		14		11/07/01 22:16	VOA

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

SEVERN
TRENT
SERVICES

5.1°C 11/01
D.S.
Severn Trent Laboratories, Inc.

STL-4124 (0700)

DEN (0900)

Client Safety-Kleen (Wichita), Inc. Facility		Project Manager Kay Tauscher (Cameron-Gole LLC)		Date 11/6/01	Chain of Custody Number 041160
Address 2549 North New York Avenue		Telephone Number (Area Code)/Fax Number 303-938-5535 / 303-938-5520		Lab Number	Page 1 of 2
City Wichita	State KS	Zip Code 67219	Site Contact Russell Dunn	Lab Contact Kae Yoder	Analysis (Attach list if more space is needed)
Project Name and Location (State) S-K Wichita Facility, Wichita, KS.			Carrier/Waybill Number		
Contract/Purchase Order/Quote No.					

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						Special Instructions/ Conditions of Receipt
			Air	Aqueous	Sed	Soil	Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc2	
SK-SW-1A	11/6/01	07:30	X							X			Regular TAT 24 Hr TAT Ⓢ
SK-SW-2A	11/6/01	07:50	X							X			
SK-SW-3A	11/6/01	08:10	X							X			
SK-SW-4A	11/6/01	08:30	X							X			
SK-SW-5A	11/6/01	08:50	X							X			
SK-SW-5Z	11/6/01	08:55	X							X			
B-710	11/6/01	10:35	X							X			
B-715	11/6/01	10:45	X							X			
B-725	11/6/01	11:08	X							X			
B-720	11/6/01	11:15	X							X			
B-735	11/6/01	11:50	X							X			
B-730	11/6/01	12:15	X							X			

Possible Hazard Identification	Sample Disposal	(A fee may be assessed if samples are retained longer than 3 months)
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	

Turn Around Time Required		OC Requirements (Specify)	
<input checked="" type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input checked="" type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other _____	<input checked="" type="checkbox"/> Call Kay Tauscher immediately w/verbal results by noon 11/8/01		
1. Relinquished By <i>Phil N. Carande</i>	Date 11/6/01	Time 4:30	1. Received By <i>Paul A. Stewart</i>
2. Relinquished By	Date	Time	2. Received By
3. Relinquished By	Date	Time	3. Received By

Comments

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

SEVERN
TRENT
SERVICES

5-1°C 11/07
D.S.

Sewern Trent Laboratories, Inc.

STL-4124 (0700)

DEN (0900)

Client Safety-Kleen (Wichita) Inc Facility		Project Manager Kay Tauscher (Cameron - Cole, LLC)		Date 11/6/01	Chain of Custody Number 041159
Address 2549 North New York Avenue		Telephone Number (Area Code)/Fax Number 303-938-5535 / 303-938-5520		Lab Number	
City Wichita	State KS	Zip Code 67219	Site Contact Russel Dunn	Lab Contact Kay Tauscher	Page 2 of 2

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives							Analysis (Attach list if more space is needed)	Special Instructions/Conditions of Receipt
			Air	Aqueous	Sed	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc	NaOH		
B-745	11/6/01	1345		X											<div>80728 (voc) 82608</div> <div>24 hr. TAT</div> <div>↓</div> <div>Regulr TAT</div> <div>↓</div>
B-740	11/6/01	1400		X											
B-755	11/6/01	1435		X											
B-750	11/6/01	1445		X											
TB-01				X											

Possible Hazard Identification			Sample Disposal			(A fee may be assessed if samples are retained longer than 3 months)		
<input type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client	<input type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For _____ Months	
Turn Around Time Required			QC Requirements (Specify)					
<input checked="" type="checkbox"/> 24 Hours	<input type="checkbox"/> 48 Hours	<input type="checkbox"/> 7 Days	<input checked="" type="checkbox"/> 14 Days	<input type="checkbox"/> 21 Days	<input type="checkbox"/> Other _____	Call Kay Tauscher immediately w/ verbal results by noon 11/8/01		
1 Relinquished By Phil N. Cameron			Date 11/6/01			Time 4:30		
2 Relinquished By			Date			Time		
3 Relinquished By			Date			Time		
Comments			Date			Time		

STL Denver
4955 Yarrow Street
Arvada, CO 80002-4517

Tel: 303 736 0100
Fax: 303 431 7171
www.stl-inc.com

ANALYTICAL REPORT

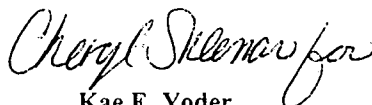
SAFETY KLEEN (WICHITA, KS)

Lot #: D1K070130

Kay Tauscher

**Cameron-Cole LLC
5777 Central Avenue, Suite 100
Boulder, CO 80301**

SEVERN TRENT LABORATORIES, INC.



**Kae E. Yoder
Project Manager**

November 28, 2001

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Invoice

STL Denver
4955 Yarrow Street
Arvada, CO 80002
(303) 421-6611
(303) 431-7171

Tel:
Fax:

REMIT
TO:

Severn Trent Laboratories, Inc.
P.O. Box 7777 W4305
Philadelphia, PA 19175-4305

Bill To:

John Arbuthnot
Safety Kleen Inc
13351 Scenic Highway
Baton Rouge, LA 70807

Line
No.

Qty.

Matrix
Code

Analysis Description

Unit Price

Extended Price

7 WATER WATER, Volatile Organics, 8260B
1 cooler shipment - RUSH

97.00

679.00
32.09

NOTE: Applicable samples will be stored at no extra charge for a period of 30 days following the final report. Samples will be properly disposed of after 30 days, unless notified otherwise in writing.

Please reference Invoice number when remitting.

Customer P.O. Number / Contract Number / Reference

STL Project Manager
Kae Yoder

Salesperson

Sub Total
Tax
Total

711.09

DUPLICATE COPY

Severn Trent Laboratories, Inc

SEVERN

TRENT

SERVICES

Number

28032651

Date

28 NOV 01

STL Project Number

D1K070130

Customer Number

00408171

Terms

NET 30 DAYS

Customer Contact

SAMPLE RECEIVING DATE : 11/07/01

REPORT DATE : 11/26/01

Kay Tauscher

Cameron-Cole LLC
5777 Central Avenue
Suite 100
Boulder, CO 80301

Table Of Contents

Standard Deliverables

Report Contents

Total Number of Pages

Standard Deliverables

The Cover Letter and the Report Cover page are considered integral parts of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.

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- Case Narrative
- Executive Summary – Detection Highlights
- Methods Summary
- Method/Analyst Summary
- Lot Sample Summary
- Analytical Results
- QC Data Association Summary
- Hold Time Report
- Chain-of-Custody

CASE NARRATIVE

Client Name: Safety-Kleen (Wichita)
Project Name:
Project Number:
Sample Delivery Group: D1K070130
Narrative Date: 11/28/01

Sample Receipt

- Six water samples and one trip blank, submitted by Safety-Kleen (Wichita), Inc., were received by STL Denver on November 7, 2001, according to documented sample acceptance procedures. The samples were received intact at a temperature of 5.1 °C. Analyses requested on the associated chains-of-custody are as follows: GC/MS Volatiles. No anomalies were encountered during sample receipt.
- Results for additional samples listed on the chains-of-custody are reported under separate cover.

GC/MS Volatiles

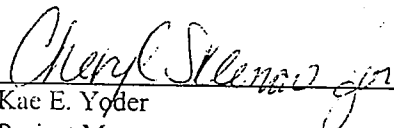
- Sample analysis did not reveal any detected target analytes at or above Safety-Kleen (Wichita)'s RLs, with the exception of the items noted in the following table.

Sample ID	Parameter	Detection	RL	Units
SK-SW-1A	cis-1,2-Dichloroethene	11	1.0	ug/L
	Tetrachloroethene	1.0	1.0	ug/L
	Trichloroethene	4.3	1.0	ug/L
	1,1,1-Trichloroethane	1.2	1.0	ug/L
SK-SW-2A	Benzene	3.3	1.0	ug/L
	1,1-Dichloroethane	1.2	1.0	ug/L
	cis-1,2-Dichloroethene	23	1.0	ug/L
	Tetrachloroethene	2.1	1.0	ug/L
	1,1,1-Trichloroethane	3.2	1.0	ug/L
	Trichloroethene	4.4	1.0	ug/L
SK-SW-3A	Vinyl Chloride	1.1	1.0	ug/L
	cis-1,2-Dichloroethene	1.6	1.0	ug/L
	Tetrachloroethene	1.7	1.0	ug/L

- The samples were analyzed within holding time and without incident.

These data and reporting limits are being used specifically to meet the needs of this project. All RLs are supported by STL Denver's Method Detection Limits (MDLs). Reporting limits in this report are at or above the MDL.

I certify that the data presented in this report are accurate, complete, and meets the minimum quality assurance standards in 40-CFR 136, 40-CFR 141, and/or SW846. The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. An assessment of the quality of the data, noting any exceptions, outliers, and/or problems encountered have been narrated herein.


Kae E. Yoder
Project Manager

11/28/01
Date

EXECUTIVE SUMMARY - Detection Highlights

DLK070130

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
SK-SW-1A 11/06/01 07:30 001				
cis-1,2-Dichloroethene	11	1.0	ug/L	SW846 8260B
Tetrachloroethene	1.0	1.0	ug/L	SW846 8260B
Trichloroethene	4.3	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	1.2	1.0	ug/L	SW846 8260B
SK-SW-2A 11/06/01 07:50 002				
Benzene	3.3	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	1.2	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	23	1.0	ug/L	SW846 8260B
Tetrachloroethene	2.1	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	3.2	1.0	ug/L	SW846 8260B
Trichloroethene	4.4	1.0	ug/L	SW846 8260B
Vinyl chloride	1.1	1.0	ug/L	SW846 8260B
SK-SW-3A 11/06/01 08:10 003				
cis-1,2-Dichloroethene	1.6	1.0	ug/L	SW846 8260B
Tetrachloroethene	1.7	1.0	ug/L	SW846 8260B

METHODS SUMMARY

D1K070130

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

D1K070130

<u>ANALYTICAL METHOD</u>	<u>ANALYST</u>	<u>ANALYST ID</u>
SW846 8260B	Mike G. Hoffman	001880

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

DLK070130

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
ENF5H	001	SK-SW-1A	11/06/01	07:30
ENF5N	002	SK-SW-2A	11/06/01	07:50
ENF5R	003	SK-SW-3A	11/06/01	08:10
ENF58	004	SK-SW-4A	11/06/01	08:30
ENF6C	005	SK-SW-5A	11/06/01	08:50
ENF6D	006	SK-SW-5Z	11/06/01	08:55
ENF6E	007	TB-01	11/06/01	

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

CAMERON-COLE LLC

Client Sample ID: SK-SW-1A

GC/MS Volatiles

Lot-Sample #....: D1K070130-001 Work Order #....: ENF5H1AA Matrix.....: WATER
Date Sampled....: 11/06/01 07:30 Date Received...: 11/07/01
Prep Date.....: 11/13/01 Analysis Date...: 11/13/01
Prep Batch #....: 1319224 Analysis Time...: 14:31
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	11	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

(Continued on next page)

CAMERON-COLE LLC

Client Sample ID: SK-SW-1A

GC/MS Volatiles

Lot-Sample #....: D1K070130-001 Work Order #....: ENF5H1AA Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	1.0	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
Trichloroethene	4.3	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,1,1-Trichloroethane	1.2	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	96	(80 - 120)
1,2-Dichloroethane-d4	93	(72 - 127)
4-Bromofluorobenzene	94	(79 - 119)
Toluene-d8	104	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: SK-SW-2A

GC/MS Volatiles

Lot-Sample #....: D1K070130-002 Work Order #....: ENF5N1AA Matrix.....: WATER
 Date Sampled....: 11/06/01 07:50 Date Received...: 11/07/01
 Prep Date.....: 11/13/01 Analysis Date...: 11/13/01
 Prep Batch #....: 1319224 Analysis Time...: 16:38
 Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	3.3	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	1.2	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	23	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: SK-SW-2A

GC/MS Volatiles

Lot-Sample #....: D1K070130-002 Work Order #....: ENF5N1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	2.1	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	3.2	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	4.4	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	1.1	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	
Dibromofluoromethane	102	(80 - 120)	
1,2-Dichloroethane-d4	105	(72 - 127)	
4-Bromofluorobenzene	98	(79 - 119)	
Toluene-d8	102	(79 - 119)	

CAMERON-COLE LLC

Client Sample ID: SK-SW-3A

GC/MS Volatiles

Lot-Sample #....: D1K070130-003 Work Order #....: ENF5R1AA Matrix.....: WATER
 Date Sampled....: 11/06/01 08:10 Date Received...: 11/07/01
 Prep Date.....: 11/13/01 Analysis Date...: 11/13/01
 Prep Batch #....: 1319224 Analysis Time...: 16:59
 Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	1.6	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: SK-SW-3A

GC/MS Volatiles

Lot-Sample #....: D1K070130-003 Work Order #....: ENF5R1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	1.7	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(80 - 120)
1,2-Dichloroethane-d4	100	(72 - 127)
4-Bromofluorobenzene	99	(79 - 119)
Toluene-d8	100	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: SK-SW-4A

GC/MS Volatiles

Lot-Sample #....: D1K070130-004 Work Order #....: ENF581AA Matrix.....: WATER
 Date Sampled....: 11/06/01 08:30 Date Received...: 11/07/01
 Prep Date.....: 11/13/01 Analysis Date...: 11/13/01
 Prep Batch #....: 1319224 Analysis Time...: 17:20
 Dilution Factor: 1
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: SK-SW-4A

GC/MS Volatiles

Lot-Sample #....: D1K070130-004 Work Order #....: ENF581AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(80 - 120)
1,2-Dichloroethane-d4	102	(72 - 127)
4-Bromofluorobenzene	96	(79 - 119)
Toluene-d8	98	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: SK-SW-5A

GC/MS Volatiles

Lot-Sample #...: D1K070130-005 Work Order #...: ENF6C1AA Matrix.....: WATER
 Date Sampled...: 11/06/01 08:50 Date Received...: 11/07/01
 Prep Date.....: 11/13/01 Analysis Date...: 11/13/01
 Prep Batch #...: 1319224 Analysis Time...: 17:41
 Dilution Factor: 1
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: SK-SW-5A

GC/MS Volatiles

Lot-Sample #....: D1K070130-005 Work Order #....: ENF6C1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
p-Isopropyltoluene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Dibromofluoromethane	102	(80 - 120)
1,2-Dichloroethane-d4	103	(72 - 127)
4-Bromofluorobenzene	98	(79 - 119)
Toluene-d8	100	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: SK-SW-5Z

GC/MS Volatiles

Lot-Sample #....: D1K070130-006 Work Order #....: ENF6D1AA Matrix.....: WATER
 Date Sampled....: 11/06/01 08:55 Date Received...: 11/07/01
 Prep Date.....: 11/13/01 Analysis Date...: 11/13/01
 Prep Batch #....: 1319224 Analysis Time...: 18:03
 Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: SK-SW-5Z

GC/MS Volatiles

Lot-Sample #....: D1K070130-006 Work Order #....: ENF6D1AA Matrix.....: WATER

		REPORTING	
PARAMETER	RESULT	LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	
Dibromofluoromethane	103	(80 - 120)	
1,2-Dichloroethane-d4	105	(72 - 127)	
4-Bromofluorobenzene	97	(79 - 119)	
Toluene-d8	99	(79 - 119)	

CAMERON-COLE LLC

Client Sample ID: TB-01

GC/MS Volatiles

Lot-Sample #....: D1K070130-007 Work Order #....: ENF6E1AA Matrix.....: WATER
Date Sampled....: 11/06/01 Date Received...: 11/07/01
Prep Date.....: 11/13/01 Analysis Date...: 11/13/01
Prep Batch #....: 1319224 Analysis Time...: 18:24
Dilution Factor: 1
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

(Continued on next page)

CAMERON-COLE LLC

Client Sample ID: TB-01

GC/MS Volatiles

Lot-Sample #....: D1K070130-007 Work Order #....: ENF6E1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(80 - 120)
1,2-Dichloroethane-d4	102	(72 - 127)
4-Bromofluorobenzene	97	(79 - 119)
Toluene-d8	100	(79 - 119)

QC DATA ASSOCIATION SUMMARY

D1K070130

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	SW846 8260B		1319224	1319076
002	WATER	SW846 8260B		1319224	1319076
003	WATER	SW846 8260B		1319224	1319076
004	WATER	SW846 8260B		1319224	1319076
005	WATER	SW846 8260B		1319224	1319076
006	WATER	SW846 8260B		1319224	1319076
007	WATER	SW846 8260B		1319224	1319076

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K070130 Work Order #....: EN1PQ1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: D1K150000-224 EN1PQ1AD-LCSD
 Prep Date.....: 11/13/01 Analysis Date...: 11/13/01
 Prep Batch #....: 1319224 Analysis Time...: 13:12
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	97	(79 - 119)			SW846 8260B
	99	(79 - 119)	2.2	(0-20)	SW846 8260B
Benzene	104	(79 - 119)			SW846 8260B
	105	(79 - 119)	1.0	(0-20)	SW846 8260B
Chlorobenzene	85	(76 - 116)			SW846 8260B
	84	(76 - 116)	0.55	(0-20)	SW846 8260B
Toluene	100	(75 - 122)			SW846 8260B
	101	(75 - 122)	0.66	(0-20)	SW846 8260B
Trichloroethene	106	(81 - 121)			SW846 8260B
	108	(81 - 121)	1.4	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(80 - 120)
	99	(80 - 120)
1,2-Dichloroethane-d4	99	(72 - 127)
	98	(72 - 127)
4-Bromofluorobenzene	95	(79 - 119)
	96	(79 - 119)
Toluene-d8	100	(79 - 119)
	100	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K070130 Work Order #....: EN1PQ1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: D1K150000-224 EN1PQ1AD-LCSD
 Prep Date.....: 11/13/01 Analysis Date...: 11/13/01
 Prep Batch #....: 1319224 Analysis Time...: 13:12
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	9.70	ug/L	97		SW846 8260B
	10.0	9.92	ug/L	99	2.2	SW846 8260B
Benzene	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.5	ug/L	105	1.0	SW846 8260B
Chlorobenzene	10.0	8.50	ug/L	85		SW846 8260B
	10.0	8.45	ug/L	84	0.55	SW846 8260B
Toluene	10.0	10.0	ug/L	100		SW846 8260B
	10.0	10.1	ug/L	101	0.66	SW846 8260B
Trichloroethene	10.0	10.6	ug/L	106		SW846 8260B
	10.0	10.8	ug/L	108	1.4	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(80 - 120)
	99	(80 - 120)
1,2-Dichloroethane-d4	99	(72 - 127)
	98	(72 - 127)
4-Bromofluorobenzene	95	(79 - 119)
	96	(79 - 119)
Toluene-d8	100	(79 - 119)
	100	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K070130
MB Lot-Sample #: D1K150000-224

Work Order #....: EN1PQ1AA

Matrix.....: WATER

Analysis Date...: 11/13/01
Dilution Factor: 1

Prep Date.....: 11/13/01

Analysis Time...: 13:54

Prep Batch #....: 1319224

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	0.50	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Naphthalene	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K070130

Work Order #....: EN1PQ1AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro- benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
		PERCENT	RECOVERY	
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>		
Dibromofluoromethane	101	(80 - 120)		
1,2-Dichloroethane-d4	99	(72 - 127)		
4-Bromofluorobenzene	97	(79 - 119)		
Toluene-d8	102	(79 - 119)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K070130 Work Order #....: ENF5H1AC-MS Matrix.....: WATER
 MS Lot-Sample #: D1K070130-001 ENF5H1AD-MSD
 Date Sampled....: 11/06/01 07:30 Date Received...: 11/07/01
 Prep Date.....: 11/13/01 Analysis Date...: 11/13/01
 Prep Batch #....: 1319224 Analysis Time...: 14:52
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	99	(79 - 119)			SW846 8260B
	101	(79 - 119)	1.1	(0-20)	SW846 8260B
Benzene	106	(79 - 119)			SW846 8260B
	104	(79 - 119)	1.5	(0-20)	SW846 8260B
Chlorobenzene	87	(76 - 116)			SW846 8260B
	88	(76 - 116)	0.89	(0-20)	SW846 8260B
Toluene	101	(75 - 122)			SW846 8260B
	102	(75 - 122)	0.87	(0-20)	SW846 8260B
Trichloroethene	110	(81 - 121)			SW846 8260B
	112	(81 - 121)	1.3	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(80 - 120)
	100	(80 - 120)
1,2-Dichloroethane-d4	101	(72 - 127)
	99	(72 - 127)
4-Bromofluorobenzene	101	(79 - 119)
	99	(79 - 119)
Toluene-d8	99	(79 - 119)
	101	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K070130 Work Order #....: ENF5H1AC-MS Matrix.....: WATER
 MS Lot-Sample #: D1K070130-001 ENF5H1AD-MSD
 Date Sampled....: 11/06/01 07:30 Date Received...: 11/07/01
 Prep Date.....: 11/13/01 Analysis Date...: 11/13/01
 Prep Batch #....: 1319224 Analysis Time...: 14:52
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	10.0	9.94	ug/L	99		SW846 8260B
	ND	10.0	10.1	ug/L	101	1.1	SW846 8260B
Benzene	ND	10.0	11.2	ug/L	106		SW846 8260B
	ND	10.0	11.1	ug/L	104	1.5	SW846 8260B
Chlorobenzene	ND	10.0	8.73	ug/L	87		SW846 8260B
	ND	10.0	8.81	ug/L	88	0.89	SW846 8260B
Toluene	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	10.2	ug/L	102	0.87	SW846 8260B
Trichloroethene	4.3	10.0	15.3	ug/L	110		SW846 8260B
	4.3	10.0	15.5	ug/L	112	1.3	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(80 - 120)
	100	(80 - 120)
1,2-Dichloroethane-d4	101	(72 - 127)
	99	(72 - 127)
4-Bromofluorobenzene	101	(79 - 119)
	99	(79 - 119)
Toluene-d8	99	(79 - 119)
	101	(79 - 119)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

HOLD TIME REPORT

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GCMS VOA

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K070130001	SK-SW-1A	11/06/01	07:30							
			8260B		7		14		11/13/01 14:31	VOA
D1K070130002	SK-SW-2A	11/06/01	07:50							
			8260B		7		14		11/13/01 16:38	VOA
D1K070130003	SK-SW-3A	11/06/01	08:10							
			8260B		7		14		11/13/01 16:59	VOA
D1K070130004	SK-SW-4A	11/06/01	08:30							
			8260B		7		14		11/13/01 17:20	VOA
D1K070130005	SK-SW-5A	11/06/01	08:50							
			8260B		7		14		11/13/01 17:41	VOA
D1K070130006	SK-SW-5Z	11/06/01	08:55							
			8260B		7		14		11/13/01 18:03	VOA
D1K070130007	TB-01	11/06/01	09:00							
			8260B		7		14		11/13/01 18:24	VOA

STL Denver
4955 Yarrow Street
Arvada, CO 80002

**SEVERN
TRENT
SERVICES**

5-1°C 11/07
D.S.
Sewern Trent Laboratories, Inc.

STL-4124 (0700)

DEN (0900)

[illegible]

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

(A leo may be assessed if samples are retained longer than 3 months)

Turn Around Time Required

☒ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

⑤ Call Kay Tauscher immediately, w/ verbal results by noon 11/8/01

1 Relinquished By <i>Phil N. Carver</i>	Date <i>11/6/01</i>	Time <i>4:30</i>	1 Received By <i>David A. Stewart</i>	Date <i>11/07/01</i>	Time <i>0703</i>
2 Relinquished By	Date	Time	2 Received By	Date	Time
3 Relinquished By	Date	Time	3 Received By	Date	Time

DISTRIBUTION: WHITE - Stays with the Sample, CANARY - Returned to Client with Report, PINK - Field Copy

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

SEVERN
TRENT
SERVICES

5.1°C 11/07
D.S.
Sewern Trent Laboratories, Inc.

STL-4124 (0700)

DEN (0900)

Client Safety-Kleen (Wichita), Inc. Facility		Project Manager Kay Tauscher (Cameron-Gala LLC)		Date 11/6/01	Chain of Custody Number 041160
Address 2549 North New York Avenue		Telephone Number (Area Code)/Fax Number 303-938-5535 / 303-938-5520		Lab Number	
City Wichita	State KS	Zip Code 67219	Site Contact Russel Dunn	Lab Contact Kae Yoder	Page 1 of 2
Project Name and Location (State) S-K Wichita Facility, Wichita, KS			Analysis (Attach list if more space is needed)		
Contract/Purchase Order/Quote No			Special Instructions/Conditions of Receipt		

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						Analysis (Attach list if more space is needed)	Special Instructions/Conditions of Receipt
			Air	Aqueous	Sed	Soil	Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc		
SK-SW-1A	11/6/01	07:30	X							X			X	Regular TAT
SK-SW-2A	11/6/01	07:50	X							X			X	
SK-SW-3A	11/6/01	08:10	X							X			X	
SK-SW-4A	11/6/01	08:30	X							X			X	
SK-SW-5A	11/6/01	08:50	X							X			X	
SK-SW-5Z	11/6/01	08:55	X							X			X	
B-710	11/6/01	10:35	X							X			X	
B-715	11/6/01	10:45	X							X			X	
B-725	11/6/01	11:08	X							X			X	
B-720	11/6/01	11:15	X							X			X	
B-735	11/6/01	11:50	X							X			X	24 Hr TAT (S)
B-730	11/6/01	12:15	X							X			X	

Possible Hazard Identification

☐ Non Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

(A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required

☒ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

(S) Call Kay Tauscher immediately w/verbal results by noon 11/8/01

1 Relinquished By Phil M. Carver	Date 11/6/01	Time 4:30	1 Received By Phil M. Carver	Date 11/07/01	Time 07:00
2 Relinquished By	Date	Time	2 Received By	Date	Time
3 Relinquished By	Date	Time	3 Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Stays with the Sample, CANARY - Returned to Client with Report, PINK - Field Copy

**SEVERN
TRENT
SERVICES**

STL Denver
4955 Yarrow Street
Arvada, CO 80002-4517

Tel: 303 736 0100
Fax: 303 431 7171
www.stl-inc.com

ANALYTICAL REPORT

SAFETY KLEEN (WICHITA, KS)

Lot #: D1K120175

Kay Tauscher

**Cameron-Cole LLC
5777 Central Avenue, Suite 100
Boulder, CO 80301**

SEVERN TRENT LABORATORIES, INC.



**Kae E. Yoder
Project Manager**

December 5, 2001

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Invoice

STL Denver
4955 Yarrow Street
Arvada, CO 80002
(303) 421-6611
(303) 431-7171

Tel:
Fax:

REMIT
TO:

Severn Trent Laboratories, Inc.
P.O. Box 7777 W4305
Philadelphia, PA 19175-4305

Bill To:

John Arbuthnot
Safety Kleen Inc
13351 Scenic Highway
Baton Rouge, LA 70807

SEVERN
TRENT
SERVICES

Number

28032937

Date

05 DEC 01

STL Project Number

D1K120175

Customer Number

00408171

Terms

NET 30 DAYS

Customer Contact

SAMPLE RECEIVING DATE : 11/10/01

REPORT DATE : 11/28/01

Kay Tauscher

Cameron-Cole LLC
5777 Central Avenue
Suite 100
Boulder, CO 80301

Line No.	Qty.	Matrix Code	Analysis Description	Unit Price	Extended Price
2	SOLID		SOLID, Percent Moisture, 160.3 Mod	8.00	16.00
2	SOLID		SOLID, Volatile Organics, 8260B	97.00	194.00
7	WATER		WATER, Volatile Organics, 8260B	97.00	679.00

NOTE: Applicable samples will be stored at no extra charge for a period of 30 days following the final report. Samples will be properly disposed of after 30 days, unless notified otherwise in writing.

Please reference Invoice number when remitting.

Customer P.O. Number / Contract Number / Reference

STL Project Manager
Kae Yoder

Salesperson

Sub Total
Tax
Total

889.00

DUPLICATE COPY

Severn Trent Laboratories, Inc

Table Of Contents

Standard Deliverables

Report Contents

Total Number of Pages

Standard Deliverables

The Cover Letter and the Report Cover page are considered integral parts of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.

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- Table of Contents
- Case Narrative
- Executive Summary – Detection Highlights
- Methods Summary
- Method/Analyst Summary
- Lot Sample Summary
- Analytical Results
- QC Data Association Summary
- Hold Time Report
- Chain-of-Custody

CASE NARRATIVE

Client Name: Safety-Kleen (Wichita)
 Project Name:
 Project Number:
 Sample Delivery Group: D1K120175
 Narrative Date: 12/05/01

Sample Receipt

- Two solid samples, four water samples, one rinse blank and two trip blanks, submitted by Safety-Kleen (Wichita), Inc., were received by STL Denver on November 10, 2001, according to documented sample acceptance procedures. The samples were received intact at temperatures of 2.7°C, 4.5°C and 3.9°C. Analyses requested on the associated chains-of-custody are as follows: GC/MS Volatiles.
- Discrepancies were noted between the analyses requested on the chains-of-custody and the analyses requested on the sample container labels. As instructed by the client on November 12, 2001, analyses were performed per the chain-of-custody. No other anomalies were encountered during sample receipt.

GC/MS Volatiles

- Sample analysis did not reveal any detected target analytes at or above Safety-Kleen (Wichita)'s RLs, with the exception of the items noted in the following table.

Sample ID	Parameter	Detection	RL	Units
B-47-3	Tetrachloroethene	540	25	ug/kg
	Trichloroethene	26	25	ug/kg
B-47-14	Tetrachloroethene	37	5.0	ug/kg
B-47-16	Chloroform	13	2.5	ug/L
	Tetrachloroethene	71	2.5	ug/L
	1,1,1-Trichloroethane	23	2.5	ug/L
	Trichloroethene	47	2.5	ug/L
B-78-20	1,1-Dichloroethane	26	5.0	ug/L
	cis-1,2-Dichloroethene	70	5.0	ug/L
	Tetrachloroethene	160	5.0	ug/L
	Trichloroethene	28	5.0	ug/L
	Vinyl chloride	260	5.0	ug/L
B-60-18	1,1-Dichloroethane	45	10	ug/L
	Ethylbenzene	77	10	ug/L
	1,2,4-Trimethylbenzene	23	10	ug/L
	o-Xylene	290	10	ug/L
	m-Xylene & p-Xylene	590	20	ug/L
B-82-18	1,1-Dichloroethane	6.8	1.0	ug/L
	cis-1,2-Dichloroethene	4.3	1.0	ug/L
	Tetrachloroethene	15	1.0	ug/L
	Trichloroethene	7.1	1.0	ug/L

- The samples were analyzed within holding time and without incident, with the exception of the following items noted.
- Samples B-47-16, B-78-20, and B-82-18 were received at the laboratory with a pH value >2.0. For samples analyzed within the normal 14 day holding time, experimental evidence suggests that some aromatic compounds in wastewater samples, notably benzene, toluene, and ethylbenzene are susceptible to biological degradation if samples are not preserved to a pH of 2.0.

- Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. In some cases, due to analytes present above the linear calibration curve, samples had to be analyzed at a dilution. For samples analyzed at a dilution, the reporting limits have been adjusted relative to the dilution required. The following table details the associated dilutions.

Sample ID	Dilution
B-47-3	1:15
B-47-16	1:2.5
B-78-20	1:5
B-60-18	1:10

- For sample B-47-3, surrogate Dibromofluoromethane was recovered at 123%, which is outside the QC control limit range of 80-120. Because the sample was analyzed at a dilution, and the raw data shows clear evidence of matrix interference, corrective action is deemed unnecessary.
- Standard batch MS/MSD has been provided. All spike parameters were within QC control limits with the exception of the items noted in the following table. The acceptable LCS/LCSD analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

Parameter	QC Batch/ Specific Sample	MS %Rec	MSD %Rec	Recovery Limits	RPD	RPD Limits
Trichloroethene	QC Batch 1325275	88	77	81-121	3.0	0-20

These data and reporting limits are being used specifically to meet the needs of this project. All RLs are supported by STL Denver's Method Detection Limits (MDLs). Reporting limits in this report are at or above the MDL.

I certify that the data presented in this report are accurate, complete, and meets the minimum quality assurance standards in 40-CFR 136, 40-CFR 141, and/or SW846. The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. An assessment of the quality of the data, noting any exceptions, outliers, and/or problems encountered have been narrated herein.

Cheryl Siller
Kae E. Yoder
Project Manager

12/5/01
Date

EXECUTIVE SUMMARY - Detection Highlights

D1K120175

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
B-47-3 11/08/01 11:00 001				
Tetrachloroethene	540	25	ug/kg	SW846 8260B
Trichloroethene	26	25	ug/kg	SW846 8260B
Percent Moisture	14.9	0.10	%	MCAWW 160.3 MOD
B-47-14 11/08/01 11:15 002				
Tetrachloroethene	37	5.0	ug/kg	SW846 8260B
Percent Moisture	17.6	0.10	%	MCAWW 160.3 MOD
B-47-16 11/08/01 11:20 003				
Chloroform	13	2.5	ug/L	SW846 8260B
Tetrachloroethene	71	2.5	ug/L	SW846 8260B
1,1,1-Trichloroethane	23	2.5	ug/L	SW846 8260B
Trichloroethene	47	2.5	ug/L	SW846 8260B
B-78-20 11/08/01 12:00 004				
1,1-Dichloroethane	26	5.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	70	5.0	ug/L	SW846 8260B
Tetrachloroethene	160	5.0	ug/L	SW846 8260B
Trichloroethene	28	5.0	ug/L	SW846 8260B
Vinyl chloride	260	5.0	ug/L	SW846 8260B
B-60-18 11/09/01 12:25 008				
1,1-Dichloroethane	45	10	ug/L	SW846 8260B
Ethylbenzene	77	10	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	23	10	ug/L	SW846 8260B
o-Xylene	290	10	ug/L	SW846 8260B
m-Xylene & p-Xylene	590	20	ug/L	SW846 8260B
B-82-18 11/09/01 12:45 009				
1,1-Dichloroethane	6.8	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	4.3	1.0	ug/L	SW846 8260B
Tetrachloroethene	15	1.0	ug/L	SW846 8260B
Trichloroethene	7.1	1.0	ug/L	SW846 8260B

METHODS SUMMARY

DLK120175

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
Percent Moisture	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Volatile Organics by GC/MS	SW846 8260B	SW846 5030
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes",
EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

D1K120175

<u>ANALYTICAL METHOD</u>	<u>ANALYST</u>	<u>ANALYST ID</u>
MCAWW 160.3 MOD	Nathan Lovstad	000090
SW846 8260B	Dan Appelhans	001008
SW846 8260B	Mike Armstrong	002544

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes",
EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

D1K120175

WO #	SAMPLE#	CLIENT	SAMPLE ID	SAMPLED DATE	SAMP TIME
ENRH0	001	B-47-3		11/08/01	11:00
ENRH9	002	B-47-14		11/08/01	11:15
ENRJA	003	B-47-16		11/08/01	11:20
ENRJC	004	B-78-20		11/08/01	12:00
ENRJE	005	RB-118		11/08/01	12:30
ENRJF	006	TB-02		11/09/01	
ENRJM	007	TB-03		11/09/01	
ENRJP	008	B-60-18		11/09/01	12:25
ENRJQ	009	B-82-18		11/09/01	12:45

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

CAMERON-COLE LLC

Client Sample ID: B-47-3

GC/MS Volatiles

Lot-Sample #....: D1K120175-001 Work Order #....: ENRH01AA Matrix.....: SOLID
 Date Sampled....: 11/08/01 11:00 Date Received...: 11/10/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1330507 Analysis Time...: 11:55
 Dilution Factor: 5
 % Moisture.....: 15 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	25	ug/kg
Bromobenzene	ND	25	ug/kg
Bromochloromethane	ND	25	ug/kg
Bromodichloromethane	ND	25	ug/kg
Bromoform	ND	25	ug/kg
Bromomethane	ND	50	ug/kg
n-Butylbenzene	ND	25	ug/kg
sec-Butylbenzene	ND	25	ug/kg
tert-Butylbenzene	ND	25	ug/kg
Carbon tetrachloride	ND	25	ug/kg
Chlorobenzene	ND	25	ug/kg
Chlorodibromomethane	ND	25	ug/kg
Chloroethane	ND	50	ug/kg
Chloroform	ND	50	ug/kg
Chloromethane	ND	50	ug/kg
2-Chlorotoluene	ND	25	ug/kg
4-Chlorotoluene	ND	25	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	ug/kg
1,2-Dibromoethane (EDB)	ND	25	ug/kg
Dibromomethane	ND	25	ug/kg
1,2-Dichlorobenzene	ND	25	ug/kg
1,3-Dichlorobenzene	ND	25	ug/kg
1,4-Dichlorobenzene	ND	25	ug/kg
Dichlorodifluoromethane	ND	50	ug/kg
1,1-Dichloroethane	ND	25	ug/kg
1,2-Dichloroethane	ND	25	ug/kg
cis-1,2-Dichloroethene	ND	12	ug/kg
trans-1,2-Dichloroethene	ND	12	ug/kg
1,1-Dichloroethene	ND	25	ug/kg
1,2-Dichloropropane	ND	25	ug/kg
1,3-Dichloropropane	ND	25	ug/kg
2,2-Dichloropropane	ND	25	ug/kg
1,1-Dichloropropene	ND	25	ug/kg
Ethylbenzene	ND	25	ug/kg
Hexachlorobutadiene	ND	25	ug/kg
Isopropylbenzene	ND	25	ug/kg
p-Isopropyltoluene	ND	25	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-47-3

GC/MS Volatiles

Lot-Sample #....: D1K120175-001 Work Order #....: ENRH01AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	25	ug/kg
Naphthalene	ND	25	ug/kg
n-Propylbenzene	ND	25	ug/kg
Styrene	ND	25	ug/kg
1,1,1,2-Tetrachloroethane	ND	25	ug/kg
1,1,2,2-Tetrachloroethane	ND	25	ug/kg
Tetrachloroethene	540	25	ug/kg
Toluene	ND	25	ug/kg
1,2,3-Trichlorobenzene.	ND	25	ug/kg
1,2,4-Trichloro- benzene	ND	25	ug/kg
1,1,1-Trichloroethane	ND	25	ug/kg
1,1,2-Trichloroethane	ND	25	ug/kg
Trichloroethene	26	25	ug/kg
Trichlorofluoromethane	ND	50	ug/kg
1,2,3-Trichloropropane	ND	25	ug/kg
1,2,4-Trimethylbenzene	ND	25	ug/kg
1,3,5-Trimethylbenzene	ND	25	ug/kg
Vinyl chloride	ND	25	ug/kg
m-Xylene & p-Xylene	ND	12	ug/kg
o-Xylene	ND	12	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	123 *	(80 - 120)
1,2-Dichloroethane-d4	112	(79 - 125)
4-Bromofluorobenzene	129	(71 - 132)
Toluene-d8	107	(77 - 117)

NOTE(S) :

* Surrogate recovery is outside stated control limits.

CAMERON-COLE LLC

Client Sample ID: B-47-14

GC/MS Volatiles

Lot-Sample #....: D1K120175-002 Work Order #....: ENRH91AA Matrix.....: SOLID
 Date Sampled....: 11/08/01 11:15 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1325469 Analysis Time...: 18:45
 Dilution Factor: 1
 % Moisture.....: 18 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-47-14

GC/MS Volatiles

Lot-Sample #....: D1K120175-002 Work Order #....: ENRH91AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	37	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(80 - 120)
1,2-Dichloroethane-d4	108	(79 - 125)
4-Bromofluorobenzene	103	(71 - 132)
Toluene-d8	92	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-47-16

GC/MS Volatiles

Lot-Sample #....: D1K120175-003 Work Order #....: ENRJALAA Matrix.....: WATER
 Date Sampled....: 11/08/01 11:20 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324476 Analysis Time...: 14:55
 Dilution Factor: 2.5
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	2.5	ug/L
Bromobenzene	ND	2.5	ug/L
Bromochloromethane	ND	2.5	ug/L
Bromodichloromethane	ND	2.5	ug/L
Bromoform	ND	2.5	ug/L
Bromomethane	ND	5.0	ug/L
n-Butylbenzene	ND	2.5	ug/L
sec-Butylbenzene	ND	2.5	ug/L
tert-Butylbenzene	ND	2.5	ug/L
Carbon tetrachloride	ND	2.5	ug/L
Chlorobenzene	ND	2.5	ug/L
Chlorodibromomethane	ND	2.5	ug/L
Chloroethane	ND	5.0	ug/L
Chloroform	13	2.5	ug/L
Chloromethane	ND	5.0	ug/L
2-Chlorotoluene	ND	2.5	ug/L
4-Chlorotoluene	ND	2.5	ug/L
Dibromomethane	ND	2.5	ug/L
1,2-Dichlorobenzene	ND	2.5	ug/L
1,3-Dichlorobenzene	ND	2.5	ug/L
1,4-Dichlorobenzene	ND	2.5	ug/L
Dichlorodifluoromethane	ND	5.0	ug/L
1,1-Dichloroethane	ND	2.5	ug/L
1,2-Dichloroethane	ND	2.5	ug/L
1,1-Dichloroethene	ND	2.5	ug/L
cis-1,2-Dichloroethene	ND	2.5	ug/L
trans-1,2-Dichloroethene	ND	1.2	ug/L
1,2-Dichloropropane	ND	2.5	ug/L
1,3-Dichloropropane	ND	2.5	ug/L
2,2-Dichloropropane	ND	12	ug/L
1,1-Dichloropropene	ND	2.5	ug/L
Ethylbenzene	ND	2.5	ug/L
Trichlorofluoromethane	ND	5.0	ug/L
Hexachlorobutadiene	ND	2.5	ug/L
Isopropylbenzene	ND	2.5	ug/L
p-Isopropyltoluene	ND	2.5	ug/L
Methylene chloride	ND	2.5	ug/L
Naphthalene	ND	2.5	ug/L

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CAMERON-COLE LLC

Client Sample ID: B-47-16

GC/MS Volatiles

Lot-Sample #....: D1K120175-003

Work Order #....: ENRJA1AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	2.5	ug/L
Styrene	ND	2.5	ug/L
1,1,1,2-Tetrachloroethane	ND	2.5	ug/L
1,1,2,2-Tetrachloroethane	ND	2.5	ug/L
Tetrachloroethene	71	2.5	ug/L
Toluene	ND	2.5	ug/L
1,2,3-Trichlorobenzene	ND	2.5	ug/L
1,2,4-Trichloro- benzene	ND	2.5	ug/L
1,1,1-Trichloroethane	23	2.5	ug/L
1,1,2-Trichloroethane	ND	2.5	ug/L
Trichloroethene	47	2.5	ug/L
1,2,3-Trichloropropane	ND	2.5	ug/L
1,2,4-Trimethylbenzene	ND	2.5	ug/L
1,3,5-Trimethylbenzene	ND	2.5	ug/L
Vinyl chloride	ND	2.5	ug/L
o-Xylene	ND	2.5	ug/L
m-Xylene & p-Xylene	ND	5.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	5.0	ug/L
1,2-Dibromoethane (EDB)	ND	2.5	ug/L
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	
Dibromofluoromethane	103	(80 - 120)	
1,2-Dichloroethane-d4	101	(72 - 127)	
4-Bromofluorobenzene	101	(79 - 119)	
Toluene-d8	103	(79 - 119)	

CAMERON-COLE LLC

Client Sample ID: B-78-20

GC/MS Volatiles

Lot-Sample #....: D1K120175-004 Work Order #....: ENRJCL1AA Matrix.....: WATER
 Date Sampled....: 11/08/01 12:00 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324476 Analysis Time...: 15:20
 Dilution Factor: 5
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.0	ug/L
Bromobenzene	ND	5.0	ug/L
Bromochloromethane	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
Bromomethane	ND	10	ug/L
n-Butylbenzene	ND	5.0	ug/L
sec-Butylbenzene	ND	5.0	ug/L
tert-Butylbenzene	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Chlorodibromomethane	ND	5.0	ug/L
Chloroethane	ND	10	ug/L
Chloroform	ND	5.0	ug/L
Chloromethane	ND	10	ug/L
2-Chlorotoluene	ND	5.0	ug/L
4-Chlorotoluene	ND	5.0	ug/L
Dibromomethane	ND	5.0	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L
Dichlorodifluoromethane	ND	10	ug/L
1,1-Dichloroethane	26	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
1,1-Dichloroethene	ND	5.0	ug/L
cis-1,2-Dichloroethene	70	5.0	ug/L
trans-1,2-Dichloroethene	ND	2.5	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
1,3-Dichloropropane	ND	5.0	ug/L
2,2-Dichloropropane	ND	25	ug/L
1,1-Dichloropropene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Trichlorofluoromethane	ND	10	ug/L
Hexachlorobutadiene	ND	5.0	ug/L
Isopropylbenzene	ND	5.0	ug/L
p-Isopropyltoluene	ND	5.0	ug/L
Methylene chloride	ND	5.0	ug/L
Naphthalene	ND	5.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: B-78-20

GC/MS Volatiles

Lot-Sample #....: D1K120175-004 Work Order #....: ENRJCLAA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	5.0	ug/L
Styrene	ND	5.0	ug/L
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Tetrachloroethene	160	5.0	ug/L
Toluene	ND	5.0	ug/L
1,2,3-Trichlorobenzene	ND	5.0	ug/L
1,2,4-Trichloro- benzene	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Trichloroethene	28	5.0	ug/L
1,2,3-Trichloropropane	ND	5.0	ug/L
1,2,4-Trimethylbenzene	ND	5.0	ug/L
1,3,5-Trimethylbenzene	ND	5.0	ug/L
Vinyl chloride	260	5.0	ug/L
o-Xylene	ND	5.0	ug/L
m-Xylene & p-Xylene	ND	10	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	10	ug/L
1,2-Dibromoethane (EDB)	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(80 - 120)
1,2-Dichloroethane-d4	101	(72 - 127)
4-Bromofluorobenzene	102	(79 - 119)
Toluene-d8	104	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: RB-118

GC/MS Volatiles

Lot-Sample #....: D1K120175-005 Work Order #....: ENRJELAA Matrix.....: WATER
 Date Sampled....: 11/08/01 12:30 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324476 Analysis Time...: 15:44
 Dilution Factor: 1
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

(Continued on next page)

CAMERON-COLE LLC

Client Sample ID: RB-118

GC/MS Volatiles

Lot-Sample #....: D1K120175-005 Work Order #....: ENRJE1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(80 - 120)
1,2-Dichloroethane-d4	103	(72 - 127)
4-Bromofluorobenzene	105	(79 - 119)
Toluene-d8	105	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: TB-02

GC/MS Volatiles

Lot-Sample #....: D1K120175-006 Work Order #....: ENRJF1AA Matrix.....: WATER
 Date Sampled....: 11/09/01 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324476 Analysis Time...: 16:09
 Dilution Factor: 1
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: TB-02

GC/MS Volatiles

Lot-Sample #....: D1K120175-006 Work Order #....: ENRJF1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(80 - 120)
1,2-Dichloroethane-d4	102	(72 - 127)
4-Bromofluorobenzene	103	(79 - 119)
Toluene-d8	105	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: TB-03

GC/MS Volatiles

Lot-Sample #....: D1K120175-007 Work Order #....: ENRJM1AA Matrix.....: WATER
 Date Sampled....: 11/09/01 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324476 Analysis Time...: 16:34
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: TB-03

GC/MS Volatiles

Lot-Sample #....: D1K120175-007 Work Order #....: ENRJM1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(80 - 120)
1,2-Dichloroethane-d4	102	(72 - 127)
4-Bromofluorobenzene	104	(79 - 119)
Toluene-d8	106	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: B-60-18

GC/MS Volatiles

Lot-Sample #....: D1K120175-008 Work Order #....: ENRJPLAA Matrix.....: WATER
 Date Sampled....: 11/09/01 12:25 Date Received...: 11/10/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325275 Analysis Time...: 16:18
 Dilution Factor: 10

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	10	ug/L
Bromobenzene	ND	10	ug/L
Bromochloromethane	ND	10	ug/L
Bromodichloromethane	ND	10	ug/L
Bromoform	ND	10	ug/L
Bromomethane	ND	20	ug/L
n-Butylbenzene	ND	10	ug/L
sec-Butylbenzene	ND	10	ug/L
tert-Butylbenzene	ND	10	ug/L
Carbon tetrachloride	ND	10	ug/L
Chlorobenzene	ND	10	ug/L
Chlorodibromomethane	ND	10	ug/L
Chloroethane	ND	20	ug/L
Chloroform	ND	10	ug/L
Chloromethane	ND	20	ug/L
2-Chlorotoluene	ND	10	ug/L
4-Chlorotoluene	ND	10	ug/L
Dibromomethane	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
Dichlorodifluoromethane	ND	20	ug/L
1,1-Dichloroethane	45	10	ug/L
1,2-Dichloroethane	ND	10	ug/L
1,1-Dichloroethene	ND	10	ug/L
cis-1,2-Dichloroethene	ND	10	ug/L
trans-1,2-Dichloroethene	ND	5.0	ug/L
1,2-Dichloropropane	ND	10	ug/L
1,3-Dichloropropane	ND	10	ug/L
2,2-Dichloropropane	ND	50	ug/L
1,1-Dichloropropene	ND	10	ug/L
Ethylbenzene	77	10	ug/L
Trichlorofluoromethane	ND	20	ug/L
Hexachlorobutadiene	ND	10	ug/L
Isopropylbenzene	ND	10	ug/L
p-Isopropyltoluene	ND	10	ug/L
Methylene chloride	ND	10	ug/L
Naphthalene	ND	10	ug/L

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CAMERON-COLE LLC

Client Sample ID: B-60-18

GC/MS Volatiles

Lot-Sample #....: D1K120175-008 Work Order #....: ENRJPIAA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	10	ug/L
Styrene	ND	10	ug/L
1,1,1,2-Tetrachloroethane	ND	10	ug/L
1,1,2,2-Tetrachloroethane	ND	10	ug/L
Tetrachloroethene	ND	10	ug/L
Toluene	ND	10	ug/L
1,2,3-Trichlorobenzene	ND	10	ug/L
1,2,4-Trichloro- benzene	ND	10	ug/L
1,1,1-Trichloroethane	ND	10	ug/L
1,1,2-Trichloroethane	ND	10	ug/L
Trichloroethene	ND	10	ug/L
1,2,3-Trichloropropane	ND	10	ug/L
1,2,4-Trimethylbenzene	23	10	ug/L
1,3,5-Trimethylbenzene	ND	10	ug/L
Vinyl chloride	ND	10	ug/L
o-Xylene	290	10	ug/L
m-Xylene & p-Xylene	590	20	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	20	ug/L
1,2-Dibromoethane (EDB)	ND	10	ug/L
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	
Dibromofluoromethane	106	(80 - 120)	
1,2-Dichloroethane-d4	110	(72 - 127)	
4-Bromofluorobenzene	92	(79 - 119)	
Toluene-d8	112	(79 - 119)	

CAMERON-COLE LLC

Client Sample ID: B-82-18

GC/MS Volatiles

Lot-Sample #....: D1K120175-009 Work Order #....: ENRJQ1AA Matrix.....: WATER
 Date Sampled....: 11/09/01 12:45 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324476 Analysis Time...: 17:23
 Dilution Factor: 1
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	6.8	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	4.3	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: B-82-18

GC/MS Volatiles

Lot-Sample #....: D1K120175-009 Work Order #....: ENRJQ1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	15	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
Trichloroethene	7.1	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(80 - 120)
1,2-Dichloroethane-d4	102	(72 - 127)
4-Bromofluorobenzene	99	(79 - 119)
Toluene-d8	105	(79 - 119)

QC DATA ASSOCIATION SUMMARY

DIK120175

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	SW846 8260B		1330507	1330222
	SOLID	MCAWW 160.3 MOD		1331246	1331106
002	SOLID	SW846 8260B		1325469	1325235
	SOLID	MCAWW 160.3 MOD		1331246	1331106
003	WATER	SW846 8260B		1324476	1324235
004	WATER	SW846 8260B		1324476	1324235
005	WATER	SW846 8260B		1324476	1324235
006	WATER	SW846 8260B		1324476	1324235
007	WATER	SW846 8260B		1324476	1324235
008	WATER	SW846 8260B		1325275	1325115
009	WATER	SW846 8260B		1324476	1324235

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K120175 Work Order #....: EPG3D1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: D1K260000-507 EPG3D1AD-LCSD
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1330507 Analysis Time...: 10:29
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	93	(78 - 118)			SW846 8260B
	91	(78 - 118)	2.1	(0-25)	SW846 8260B
Benzene	104	(79 - 121)			SW846 8260B
	103	(79 - 121)	0.46	(0-25)	SW846 8260B
Chlorobenzene	82	(76 - 116)			SW846 8260B
	84	(76 - 116)	2.4	(0-25)	SW846 8260B
Toluene	83	(76 - 116)			SW846 8260B
	86	(76 - 116)	4.0	(0-25)	SW846 8260B
Trichloroethene	102	(83 - 123)			SW846 8260B
	100	(83 - 123)	2.1	(0-25)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(80 - 120)
	110	(80 - 120)
1,2-Dichloroethane-d4	101	(79 - 125)
	101	(79 - 125)
4-Bromofluorobenzene	93	(71 - 132)
	94	(71 - 132)
Toluene-d8	86	(77 - 117)
	94	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K120175 Work Order #....: EPG3D1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: D1K260000-507 EPG3D1AD-LCSD
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1330507 Analysis Time...: 10:29
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	50.0	46.6	ug/kg	93		SW846 8260B
	50.0	45.6	ug/kg	91	2.1	SW846 8260B
Benzene	50.0	51.8	ug/kg	104		SW846 8260B
	50.0	51.5	ug/kg	103	0.46	SW846 8260B
Chlorobenzene	50.0	41.2	ug/kg	82		SW846 8260B
	50.0	42.2	ug/kg	84	2.4	SW846 8260B
Toluene	50.0	41.4	ug/kg	83		SW846 8260B
	50.0	43.1	ug/kg	86	4.0	SW846 8260B
Trichloroethene	50.0	51.2	ug/kg	102		SW846 8260B
	50.0	50.1	ug/kg	100	2.1	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(80 - 120)
	110	(80 - 120)
1,2-Dichloroethane-d4	101	(79 - 125)
	101	(79 - 125)
4-Bromofluorobenzene	93	(71 - 132)
	94	(71 - 132)
Toluene-d8	86	(77 - 117)
	94	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K120175 Work Order #....: EPE4M1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: D1K210000-469 EPE4M1AD-LCSD
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1325469 Analysis Time...: 11:17
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	97	(78 - 118)			SW846 8260B
	99	(78 - 118)	2.3	(0-25)	SW846 8260B
Benzene	106	(79 - 121)			SW846 8260B
	110	(79 - 121)	3.3	(0-25)	SW846 8260B
Chlorobenzene	89	(76 - 116)			SW846 8260B
	90	(76 - 116)	1.8	(0-25)	SW846 8260B
Toluene	89	(76 - 116)			SW846 8260B
	92	(76 - 116)	2.9	(0-25)	SW846 8260B
Trichloroethene	101	(83 - 123)			SW846 8260B
	108	(83 - 123)	6.9	(0-25)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(80 - 120)
	112	(80 - 120)
1,2-Dichloroethane-d4	103	(79 - 125)
	104	(79 - 125)
4-Bromofluorobenzene	102	(71 - 132)
	101	(71 - 132)
Toluene-d8	94	(77 - 117)
	95	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K120175 Work Order #....: EPE4M1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: D1K210000-469 EPE4M1AD-LCSD
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1325469 Analysis Time...: 11:17
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	50.0	48.5	ug/kg	97		SW846 8260B
	50.0	49.7	ug/kg	99	2.3	SW846 8260B
Benzene	50.0	53.1	ug/kg	106		SW846 8260B
	50.0	54.9	ug/kg	110	3.3	SW846 8260B
Chlorobenzene	50.0	44.3	ug/kg	89		SW846 8260B
	50.0	45.1	ug/kg	90	1.8	SW846 8260B
Toluene	50.0	44.5	ug/kg	89		SW846 8260B
	50.0	45.9	ug/kg	92	2.9	SW846 8260B
Trichloroethene	50.0	50.3	ug/kg	101		SW846 8260B
	50.0	53.9	ug/kg	108	6.9	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(80 - 120)
	112	(80 - 120)
1,2-Dichloroethane-d4	103	(79 - 125)
	104	(79 - 125)
4-Bromofluorobenzene	102	(71 - 132)
	101	(71 - 132)
Toluene-d8	94	(77 - 117)
	95	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K120175 Work Order #....: EPCJA1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: D1K200000-476 EPCJA1AD-LCSD
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324476 Analysis Time...: 09:59
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	94	(79 - 119)			SW846 8260B
	91	(79 - 119)	3.3	(0-20)	SW846 8260B
Benzene	100	(79 - 119)			SW846 8260B
	96	(79 - 119)	3.3	(0-20)	SW846 8260B
Chlorobenzene	93	(76 - 116)			SW846 8260B
	95	(76 - 116)	2.6	(0-20)	SW846 8260B
Toluene	89	(75 - 122)			SW846 8260B
	90	(75 - 122)	2.0	(0-20)	SW846 8260B
Trichloroethene	100	(81 - 121)			SW846 8260B
	97	(81 - 121)	2.8	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(80 - 120)
	98	(80 - 120)
1,2-Dichloroethane-d4	101	(72 - 127)
	95	(72 - 127)
4-Bromofluorobenzene	101	(79 - 119)
	107	(79 - 119)
Toluene-d8	96	(79 - 119)
	99	(79 - 119)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D1K120175 Work Order #...: EPCJA1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: D1K200000-476 EPCJA1AD-LCSD
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #...: 1324476 Analysis Time...: 09:59
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	9.37	ug/L	94		SW846 8260B
	10.0	9.07	ug/L	91	3.3	SW846 8260B
Benzene	10.0	9.98	ug/L	100		SW846 8260B
	10.0	9.65	ug/L	96	3.3	SW846 8260B
Chlorobenzene	10.0	9.30	ug/L	93		SW846 8260B
	10.0	9.54	ug/L	95	2.6	SW846 8260B
Toluene	10.0	8.86	ug/L	89		SW846 8260B
	10.0	9.03	ug/L	90	2.0	SW846 8260B
Trichloroethene	10.0	10.0	ug/L	100		SW846 8260B
	10.0	9.73	ug/L	97	2.8	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(80 - 120)
	98	(80 - 120)
1,2-Dichloroethane-d4	101	(72 - 127)
	95	(72 - 127)
4-Bromofluorobenzene	101	(79 - 119)
	107	(79 - 119)
Toluene-d8	96	(79 - 119)
	99	(79 - 119)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K120175 Work Order #....: EPD451AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: D1K210000-275 EPD451AD-LCSD
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325275 Analysis Time...: 10:04
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	92	(79 - 119)			SW846 8260B
	94	(79 - 119)	1.6	(0-20)	SW846 8260B
Benzene	94	(79 - 119)			SW846 8260B
	96	(79 - 119)	2.4	(0-20)	SW846 8260B
Chlorobenzene	88	(76 - 116)			SW846 8260B
	94	(76 - 116)	6.5	(0-20)	SW846 8260B
Toluene	100	(75 - 122)			SW846 8260B
	102	(75 - 122)	2.3	(0-20)	SW846 8260B
Trichloroethene	87	(81 - 121)			SW846 8260B
	92	(81 - 121)	4.8	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(80 - 120)
	110	(80 - 120)
1,2-Dichloroethane-d4	114	(72 - 127)
	114	(72 - 127)
4-Bromofluorobenzene	92	(79 - 119)
	96	(79 - 119)
Toluene-d8	109	(79 - 119)
	109	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K120175 Work Order #....: EPD451AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: D1K210000-275 EPD451AD-LCSD
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325275 Analysis Time...: 10:04
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	9.21	ug/L	92		SW846 8260B
	10.0	9.37	ug/L	94	1.6	SW846 8260B
Benzene	10.0	9.43	ug/L	94		SW846 8260B
	10.0	9.65	ug/L	96	2.4	SW846 8260B
Chlorobenzene	10.0	8.81	ug/L	88		SW846 8260B
	10.0	9.41	ug/L	94	6.5	SW846 8260B
Toluene	10.0	10.0	ug/L	100		SW846 8260B
	10.0	10.2	ug/L	102	2.3	SW846 8260B
Trichloroethene	10.0	8.74	ug/L	87		SW846 8260B
	10.0	9.17	ug/L	92	4.8	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(80 - 120)
	110	(80 - 120)
1,2-Dichloroethane-d4	114	(72 - 127)
	114	(72 - 127)
4-Bromofluorobenzene	92	(79 - 119)
	96	(79 - 119)
Toluene-d8	109	(79 - 119)
	109	(79 - 119)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #.... D1K120175
 MB Lot-Sample #: D1K260000-507

Work Order #.... EPG3D1AA

Matrix..... SOLID

Analysis Date... 11/21/01

Prep Date..... 11/21/01

Analysis Time... 11:20

Dilution Factor: 1

Prep Batch #.... 1330507

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
Benzene	ND	5.0	ug/kg		SW846 8260B
Bromobenzene	ND	5.0	ug/kg		SW846 8260B
Bromochloromethane	ND	5.0	ug/kg		SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg		SW846 8260B
Bromoform	ND	5.0	ug/kg		SW846 8260B
Bromomethane	ND	10	ug/kg		SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg		SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg		SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg		SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg		SW846 8260B
Chlorobenzene	ND	5.0	ug/kg		SW846 8260B
Chlorodibromomethane	ND	5.0	ug/kg		SW846 8260B
Chloroethane	ND	10	ug/kg		SW846 8260B
Chloroform	ND	10	ug/kg		SW846 8260B
Chloromethane	ND	10	ug/kg		SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg		SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg		SW846 8260B
Dibromomethane	ND	5.0	ug/kg		SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg		SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg		SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg		SW846 8260B
Dichlorodifluoromethane	ND	10	ug/kg		SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg		SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg		SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg		SW846 8260B
cis-1,2-Dichloroethene	ND	2.5	ug/kg		SW846 8260B
trans-1,2-Dichloroethene	ND	2.5	ug/kg		SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg		SW846 8260B
1,3-Dichloropropane	ND	5.0	ug/kg		SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg		SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg		SW846 8260B
Ethylbenzene	ND	5.0	ug/kg		SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg		SW846 8260B
Hexachlorobutadiene	ND	5.0	ug/kg		SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg		SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg		SW846 8260B
Methylene chloride	ND	5.0	ug/kg		SW846 8260B
Naphthalene	ND	5.0	ug/kg		SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg		SW846 8260B
Styrene	ND	5.0	ug/kg		SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg		SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K120175

Work Order #....: EPG3D1AA

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trichloro- benzene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
Vinyl chloride	ND	5.0	ug/kg	SW846 8260B
o-Xylene	ND	2.5	ug/kg	SW846 8260B
m-Xylene & p-Xylene	ND	2.5	ug/kg	SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	SW846 8260B
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
Dibromofluoromethane	115	(80 - 120)		
1,2-Dichloroethane-d4	108	(79 - 125)		
4-Bromofluorobenzene	102	(71 - 132)		
Toluene-d8	97	(77 - 117)		

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K120175
 MB Lot-Sample #: D1K210000-469

Work Order #....: EPE4M1AA

Matrix.....: SOLID

Analysis Date...: 11/19/01

Prep Date.....: 11/19/01

Analysis Time...: 12:10

Dilution Factor: 1

Prep Batch #....: 1325469

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Chlorodibromomethane	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Chloroform	ND	10	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
Dibromomethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	2.5	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	2.5	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,3-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
Naphthalene	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	5.0	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K120175

Work Order #....: EPE4M1AA

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg		SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg		SW846 8260B
Toluene	ND	5.0	ug/kg		SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg		SW846 8260B
1,2,4-Trichloro- benzene	ND	5.0	ug/kg		SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg		SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg		SW846 8260B
Trichloroethene	ND	5.0	ug/kg		SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg		SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg		SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg		SW846 8260B
Vinyl chloride	ND	5.0	ug/kg		SW846 8260B
o-Xylene	ND	2.5	ug/kg		SW846 8260B
m-Xylene & p-Xylene	ND	2.5	ug/kg		SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	10	ug/kg		SW846 8260B
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg		SW846 8260B
SURROGATE	PERCENT		RECOVERY		
	RECOVERY		LIMITS		
Dibromofluoromethane	111		(80 - 120)		
1,2-Dichloroethane-d4	105		(79 - 125)		
4-Bromofluorobenzene	101		(71 - 132)		
Toluene-d8	96		(77 - 117)		

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K120175
 MB Lot-Sample #: D1K200000-476

Work Order #....: EPCJA1AA

Matrix.....: WATER

Analysis Date...: 11/19/01
 Dilution Factor: 1

Prep Date.....: 11/19/01
 Prep Batch #....: 1324476

Analysis Time...: 10:49

REPORTING

PARAMETER	RESULT	LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	0.50	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro- benzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K120175

Work Order #....: EPCJA1AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
Bromobenzene	ND	1.0	ug/L		SW846 8260B
n-Butylbenzene	ND	1.0	ug/L		SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L		SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L		SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L		SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L		SW846 8260B
Dibromomethane	ND	1.0	ug/L		SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L		SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/L		SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L		SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L		SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L		SW846 8260B
Naphthalene	ND	1.0	ug/L		SW846 8260B
n-Propylbenzene	ND	1.0	ug/L		SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L		SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L		SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L		SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L		SW846 8260B
SURROGATE	PERCENT		RECOVERY		
	RECOVERY		LIMITS		
Dibromofluoromethane	99		(80 - 120)		
1,2-Dichloroethane-d4	97		(72 - 127)		
4-Bromofluorobenzene	104		(79 - 119)		
Toluene-d8	97		(79 - 119)		

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K120175
 MB Lot-Sample #: D1K210000-275

Work Order #....: EPD451AA

Matrix.....: WATER

Analysis Date...: 11/20/01
 Dilution Factor: 1

Prep Date.....: 11/20/01

Analysis Time...: 10:57

Prep Batch #....: 1325275

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
Benzene	ND	1.0	ug/L		SW846 8260B
Bromobenzene	ND	1.0	ug/L		SW846 8260B
Bromochloromethane	ND	1.0	ug/L		SW846 8260B
Bromodichloromethane	ND	1.0	ug/L		SW846 8260B
Bromoform	ND	1.0	ug/L		SW846 8260B
Bromomethane	ND	2.0	ug/L		SW846 8260B
n-Butylbenzene	ND	1.0	ug/L		SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L		SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L		SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L		SW846 8260B
Chlorobenzene	ND	1.0	ug/L		SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L		SW846 8260B
Chloroethane	ND	2.0	ug/L		SW846 8260B
Chloroform	ND	1.0	ug/L		SW846 8260B
Chloromethane	ND	2.0	ug/L		SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L		SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L		SW846 8260B
Dibromomethane	ND	1.0	ug/L		SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L		SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L		SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L		SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L		SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L		SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L		SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L		SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L		SW846 8260B
trans-1,2-Dichloroethene	ND	0.50	ug/L		SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L		SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L		SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/L		SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L		SW846 8260B
Ethylbenzene	ND	1.0	ug/L		SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L		SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L		SW846 8260B
Isopropylbenzene	ND	1.0	ug/L		SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L		SW846 8260B
Methylene chloride	ND	1.0	ug/L		SW846 8260B
Naphthalene	ND	1.0	ug/L		SW846 8260B
n-Propylbenzene	ND	1.0	ug/L		SW846 8260B
Styrene	ND	1.0	ug/L		SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L		SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K120175

Work Order #....: EPD451AA

Matrix.....: WATER

		REPORTING		
<u>PARAMETER</u>	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro- benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
Dibromofluoromethane	109	(80 - 120)		
1,2-Dichloroethane-d4	112	(72 - 127)		
4-Bromofluorobenzene	98	(79 - 119)		
Toluene-d8	113	(79 - 119)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K120175 Work Order #....: EN6LX1AC-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K160345-001 EN6LX1AD-MSD
 Date Sampled....: 11/14/01 08:50 Date Received...: 11/16/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1330507 Analysis Time...: 12:46
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	92	(78 - 118)			SW846 8260B
	98	(78 - 118)	6.6	(0-25)	SW846 8260B
Benzene	103	(79 - 121)			SW846 8260B
	112	(79 - 121)	8.9	(0-25)	SW846 8260B
Chlorobenzene	78	(76 - 116)			SW846 8260B
	81	(76 - 116)	3.7	(0-25)	SW846 8260B
Toluene	82	(76 - 116)			SW846 8260B
	86	(76 - 116)	4.4	(0-25)	SW846 8260B
Trichloroethene	102	(83 - 123)			SW846 8260B
	107	(83 - 123)	4.3	(0-25)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(80 - 120)
	112	(80 - 120)
1,2-Dichloroethane-d4	107	(79 - 125)
	112	(79 - 125)
4-Bromofluorobenzene	99	(71 - 132)
	98	(71 - 132)
Toluene-d8	90	(77 - 117)
	94	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K120175 Work Order #....: EN6LX1AC-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K160345-001 EN6LX1AD-MSD
 Date Sampled....: 11/14/01 08:50 Date Received...: 11/16/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/21/01
 Prep Batch #....: 1330507 Analysis Time...: 12:46
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	50.0	46.1	ug/kg	92		SW846 8260B
	ND	50.0	49.2	ug/kg	98	6.6	SW846 8260B
Benzene	ND	50.0	51.4	ug/kg	103		SW846 8260B
	ND	50.0	56.2	ug/kg	112	8.9	SW846 8260B
Chlorobenzene	ND	50.0	39.1	ug/kg	78		SW846 8260B
	ND	50.0	40.6	ug/kg	81	3.7	SW846 8260B
Toluene	ND	50.0	40.9	ug/kg	82		SW846 8260B
	ND	50.0	42.8	ug/kg	86	4.4	SW846 8260B
Trichloroethene	ND	50.0	51.2	ug/kg	102		SW846 8260B
	ND	50.0	53.5	ug/kg	107	4.3	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(80 - 120)
	112	(80 - 120)
1,2-Dichloroethane-d4	107	(79 - 125)
	112	(79 - 125)
4-Bromofluorobenzene	99	(71 - 132)
	98	(71 - 132)
Toluene-d8	90	(77 - 117)
	94	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D1K120175 Work Order #...: ENQ511AN-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K120137-022 ENQ511AP-MSD
 Date Sampled...: 11/07/01 10:40 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #...: 1325469 Analysis Time...: 13:11
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	93	(78 - 118)			SW846 8260B
	101	(78 - 118)	8.6	(0-25)	SW846 8260B
Benzene	99	(79 - 121)			SW846 8260B
	109	(79 - 121)	9.9	(0-25)	SW846 8260B
Chlorobenzene	80	(76 - 116)			SW846 8260B
	87	(76 - 116)	8.8	(0-25)	SW846 8260B
Toluene	80	(76 - 116)			SW846 8260B
	89	(76 - 116)	10	(0-25)	SW846 8260B
Trichloroethene	96	(83 - 123)			SW846 8260B
	108	(83 - 123)	12	(0-25)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(80 - 120)
	113	(80 - 120)
1,2-Dichloroethane-d4	102	(79 - 125)
	109	(79 - 125)
4-Bromofluorobenzene	96	(71 - 132)
	101	(71 - 132)
Toluene-d8	88	(77 - 117)
	94	(77 - 117)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K120175 Work Order #....: ENQ511AN-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K120137-022 ENQ511AP-MSD
 Date Sampled....: 11/07/01 10:40 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1325469 Analysis Time...: 13:11
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	50.0	46.3	ug/kg	93		SW846 8260B
	ND	50.0	50.5	ug/kg	101	8.6	SW846 8260B
Benzene	ND	50.0	49.3	ug/kg	99		SW846 8260B
	ND	50.0	54.5	ug/kg	109	9.9	SW846 8260B
Chlorobenzene	ND	50.0	40.0	ug/kg	80		SW846 8260B
	ND	50.0	43.6	ug/kg	87	8.8	SW846 8260B
Toluene	ND	50.0	40.2	ug/kg	80		SW846 8260B
	ND	50.0	44.4	ug/kg	89	10	SW846 8260B
Trichloroethene	ND	50.0	48.1	ug/kg	96		SW846 8260B
	ND	50.0	54.2	ug/kg	108	12	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(80 - 120)
	113	(80 - 120)
1,2-Dichloroethane-d4	102	(79 - 125)
	109	(79 - 125)
4-Bromofluorobenzene	96	(71 - 132)
	101	(71 - 132)
Toluene-d8	88	(77 - 117)
	94	(77 - 117)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K120175 Work Order #....: ENP781CC-MS Matrix.....: WATER
 MS Lot-Sample #: D1K100172-013 ENP781CD-MSD
 Date Sampled....: 11/09/01 09:00 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324476 Analysis Time...: 13:40
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	90	(79 - 119)			SW846 8260B
	91	(79 - 119)	1.0	(0-20)	SW846 8260B
Benzene	92	(79 - 119)			SW846 8260B
	95	(79 - 119)	2.9	(0-20)	SW846 8260B
Chlorobenzene	89	(76 - 116)			SW846 8260B
	92	(76 - 116)	3.7	(0-20)	SW846 8260B
Toluene	86	(75 - 122)			SW846 8260B
	89	(75 - 122)	3.9	(0-20)	SW846 8260B
Trichloroethene	98	(81 - 121)			SW846 8260B
	98	(81 - 121)	0.03	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(80 - 120)
	102	(80 - 120)
1,2-Dichloroethane-d4	99	(72 - 127)
	101	(72 - 127)
4-Bromofluorobenzene	102	(79 - 119)
	104	(79 - 119)
Toluene-d8	98	(79 - 119)
	98	(79 - 119)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K120175 Work Order #....: ENP781CC-MS Matrix.....: WATER
 MS Lot-Sample #: D1K100172-013 ENP781CD-MSD
 Date Sampled....: 11/09/01 09:00 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324476 Analysis Time...: 13:40
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	10.0	9.02	ug/L	90		SW846 8260B
	ND	10.0	9.11	ug/L	91	1.0	SW846 8260B
Benzene	ND	10.0	9.23	ug/L	92		SW846 8260B
	ND	10.0	9.51	ug/L	95	2.9	SW846 8260B
Chlorobenzene	ND	10.0	8.86	ug/L	89		SW846 8260B
	ND	10.0	9.20	ug/L	92	3.7	SW846 8260B
Toluene	ND	10.0	8.57	ug/L	86		SW846 8260B
	ND	10.0	8.91	ug/L	89	3.9	SW846 8260B
Trichloroethene	ND	10.0	9.78	ug/L	98		SW846 8260B
	ND	10.0	9.78	ug/L	98	0.03	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(80 - 120)
	102	(80 - 120)
1,2-Dichloroethane-d4	99	(72 - 127)
	101	(72 - 127)
4-Bromofluorobenzene	102	(79 - 119)
	104	(79 - 119)
Toluene-d8	98	(79 - 119)
	98	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K120175 Work Order #....: ENV3V1A1-MS Matrix.....: WATER
 MS Lot-Sample #: D1K130267-010 ENV3V1A2-MSD
 Date Sampled....: 11/11/01 12:35 Date Received...: 11/13/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325275 Analysis Time...: 12:21
 Dilution Factor: 4

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	96	(79 - 119)			SW846 8260B
	95	(79 - 119)	0.77	(0-20)	SW846 8260B
Benzene	97	(79 - 119)			SW846 8260B
	96	(79 - 119)	1.4	(0-20)	SW846 8260B
Chlorobenzene	94	(76 - 116)			SW846 8260B
	94	(76 - 116)	0.44	(0-20)	SW846 8260B
Toluene	107	(75 - 122)			SW846 8260B
	106	(75 - 122)	0.68	(0-20)	SW846 8260B
Trichloroethene	88	(81 - 121)			SW846 8260B
	77 a	(81 - 121)	3.0	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(80 - 120)
	104	(80 - 120)
1,2-Dichloroethane-d4	105	(72 - 127)
	107	(72 - 127)
4-Bromofluorobenzene	93	(79 - 119)
	94	(79 - 119)
Toluene-d8	113	(79 - 119)
	112	(79 - 119)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K120175 Work Order #....: ENV3V1A1-MS Matrix.....: WATER
 MS Lot-Sample #: D1K130267-010 ENV3V1A2-MSD
 Date Sampled....: 11/11/01 12:35 Date Received...: 11/13/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325275 Analysis Time...: 12:21
 Dilution Factor: 4

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	40.0	38.4	ug/L	96		SW846 8260B
	ND	40.0	38.1	ug/L	95	0.77	SW846 8260B
Benzene	ND	40.0	38.9	ug/L	97		SW846 8260B
	ND	40.0	38.3	ug/L	96	1.4	SW846 8260B
Chlorobenzene	ND	40.0	37.7	ug/L	94		SW846 8260B
	ND	40.0	37.5	ug/L	94	0.44	SW846 8260B
Toluene	ND	40.0	42.7	ug/L	107		SW846 8260B
	ND	40.0	42.4	ug/L	106	0.68	SW846 8260B
Trichloroethene	120	40.0	158	ug/L	88		SW846 8260B
	120	40.0	153	ug/L	77 a	3.0	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(80 - 120)
	104	(80 - 120)
1,2-Dichloroethane-d4	105	(72 - 127)
	107	(72 - 127)
4-Bromofluorobenzene	93	(79 - 119)
	94	(79 - 119)
Toluene-d8	113	(79 - 119)
	112	(79 - 119)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

HOLD TIME REPORT

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GCMS VOA

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K120175001	B-47-3	11/08/01	11:00							
			8260B		13		14		11/21/01 11:55	VOA
D1K120175002	B-47-14	11/08/01	11:15							
			8260B		11		14		11/19/01 18:45	VOA
D1K120175003	B-47-16	11/08/01	11:20							
			8260B		11		14		11/19/01 14:55	VCA
D1K120175004	B-78-20	11/08/01	12:00							
			8260B		11		14		11/19/01 15:20	VOA
D1K120175005	RB-118	11/08/01	12:30							
			8260B		11		14		11/19/01 15:44	VOA
D1K120175006	TB-02	11/09/01	00:00							
			8260B		10		14		11/19/01 16:09	VOA
D1K120175007	TB-03	11/09/01	00:00							
			8260B		10		14		11/19/01 16:34	VCA
D1K120175008	B-60-18	11/09/01	12:25							
			8260B		11		14		11/20/01 16:18	VCA
D1K120175009	B-82-18	11/09/01	12:45							
			8260B		10		14		11/19/01 17:23	VOA

HOLD TIME REPORT

Lab: GENERAL CHEMISTRY

ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
DIK120175001	B-47-3	11/08/01	11:00							
			160.3 MOD		18		99		11/26/01	15:00
DIK120175002	B-47-14	11/08/01	11:15							
			160.3 MOD		18		99		11/26/01	15:00

~~21.7.7/11~~

**SEVERN
TRENT
SERVICES**

DEN (0900)

~~JAN 11/9/01~~

Sample Disposal

☐ *Return To Client*☐ Disposal By Lab☐ Archive For

(A lee may be assessed if samples are retained longer than 3 months)

QC Requirements (Specify)

1. Relinquishment

☐ 48 Hours☐ 7 Days☒ 14 Days☐ 21 Days☐ Other.

Date _____

Time

1850

1. Received By	
----------------	--

Date _____

Time

2. Relinquished By

Date _____

Time

2. Received By

Date _____

Time

3. Relinquished By

Date _____

Time

3 Received By

Date _____

Time

Comments

Comments: Please contact Kay Truesden with any questions, immediately.

7. DISTRIBUTION: WHITE - Slavs with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report, PINK - Field Cop

STL-4124 (0700) DEN (0900)

STL Denver
4955 Yarrow Street
Arvada, CO 80002

**SEVERN
TRENT
SERVICES**

Severn Trent Laboratories, Inc.

Client Safety-Kleen (Wichita) Facility		Project Manager Kary Tauscher (Cameron-Cole LLC)		Date 11/9/01	Chain of Custody Number 045005																								
Address 2549 North New York Ave		Telephone Number (Area Code)/Fax Number 303-938-5535 / 303-938-5520		Lab Number																									
City Wichita	State KS	Zip Code 672A	Site Contact Russell Dunn	Lab Contact Kare Yoder	Analysis (Attach list if more space is needed) Page 5 of 5																								
Project Name and Location (State) SK Wichita Facility, Wichita, KS			Carrier/Waybill Number																										
Contract/Purchase Order/Quote No.																													
			Matrix		Containers & Preservatives																								
Sample I.D. No. and Description (Containers for each sample may be combined on one line)			Date	Time	Air	Aqueous	Sed.	Soil		Unpres	H ₂ SO ₄	HNO ₃	HCl	NaOH	ZnAc ₂	NaOH	VOL GLOB B	ACRA MORTS											
B-60-18			11/9/01	1225		X							X					X											
B-82-18			11/9/01	1245		X							X					X											
<div style="text-align: center;">JAN 11/9/01</div>																													
Possible Hazard Identification					Sample Disposal					(A fee may be assessed if samples are retained longer than 3 months)																			
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																								
Turn Around Time Required					OC Requirements (Specify)																								
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input checked="" type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other _____																													
1 Relinquished By [Signature]					Date 11/9/01					Time 1800					1 Received By [Signature]					Date 11/10/01					Time 0930				
2 Relinquished By					Date					Time					2 Received By					Date					Time				
3 Relinquished By					Date					Time					3 Received By					Date					Time				
Comments																													

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www.stl-inc.com

ANALYTICAL REPORT
REVISED

SAFETY KLEEN (WICHITA, KS)

Lot #: D1K120137

Kay Tauscher

**Cameron-Cole LLC
5777 Central Avenue, Suite 100
Boulder, CO 80301**

**cc: Will Huskie
cc: John Arbuthnot**

SEVERN TRENT LABORATORIES, INC.



**Kae E. Yoder
Project Manager**

January 15, 2002

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Total Number of Pages

Standard Deliverables

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- Methods Summary
- Method/Analyst Summary
- Lot Sample Summary
- Analytical Results
- QC Data Association Summary
- Hold Time Report
- Chain-of-Custody

CASE NARRATIVE

REVISED

Client Name: Safety-Kleen (Wichita)
Project Name:
Project Number:
Sample Delivery Group: D1K120137
Original Narrative Date: 12/05/01
Revised Narrative Date: 01/15/02

Sample Receipt

- Twenty-one solid samples and three water samples, submitted by Safety-Kleen (Wichita), Inc., were received by STL Denver on November 10, 2001, according to documented sample acceptance procedures. The samples were received intact at temperatures of 2.7°C, 4.5°C and 3.8°C. Analyses requested on the associated chains-of-custody are as follows: GC/MS Volatiles, GC/MS Semivolatiles and Total Metals.
- Discrepancies were noted between the analyses requested on the chains-of-custody and the analyses requested on the sample container labels. As instructed by the client on November 12, 2001, analyses were performed per the chain-of-custody.
- The chain-of-custody (#41156) requests only VOC 8260B analyses for samples B-48-3, B-48-14, B-50-4 and B-50-15; however, as instructed by the client on November 12, 2001, the laboratory analyzed the samples for methods VOC 8260B and PAH 8270C. The chain-of-custody has been revised to reflect the correct analyses.
- The chain-of-custody (#41158) requests VOC 8260B analysis for sample B-70-0.5; however, as instructed by the client on November 12, 2001, the laboratory analyzed the sample for Total Metals. The chain-of-custody has been revised to reflect the correct analyses.
- No other anomalies were encountered during sample receipt.

GC/MS Volatiles

- Sample analysis did not reveal any detected target analytes at or above Safety-Kleen (Wichita)'s RLs, with the exception of the items noted in the following table.

Sample ID	Parameter	Detection	RL	Units
B-56-3	Tetrachloroethene	68	5.0	ug/kg
B-56-16	Tetrachloroethene	7.2	5.0	ug/kg
B-56-18	Tetrachloroethene	55	1.0	ug/L
	Trichloroethene	8.9	1.0	ug/L
B-48-3	1,1-Dichloroethane	16	5.0	ug/kg
	Vinyl chloride	8.4	5.0	ug/kg
B-48-14	Tetrachloroethene	71	5.0	ug/kg
	Trichloroethene	8.4	5.0	ug/kg
B-48-18	1,1-Dichloroethane	4.0	2.5	ug/L
	cis-1,2-Dichloroethene	14	2.5	ug/L
	Tetrachloroethene	44	2.5	ug/L
	1,1,1-Trichloroethane	6.3	2.5	ug/L
	Trichloroethene	10	2.5	ug/L
B-50-4	cis-1,2-Dichloroethene	29	12	ug/kg
	Tetrachloroethene	370	25	ug/kg
	Trichloroethene	81	25	ug/kg
B-50-18	cis-1,2-Dichloroethene	1700	80	ug/L
	Tetrachloroethene	1700	80	ug/L
	1,1,1-Trichloroethane	340	80	ug/L
	Trichloroethene	960	80	ug/L

Sample ID	Parameter	Detection	RL	Units
B-60-1	1,1-Dichloroethane	5.2	5.0	ug/kg
	cis-1,2-Dichloroethene	23	2.5	ug/kg
	trans-1,2-Dichloroethene	6.6	2.5	ug/kg
	Tetrachloroethene	12	5.0	ug/kg
	Toluene	44	5.0	ug/kg
	Trichloroethene	6.9	5.0	ug/kg
	Vinyl chloride	9.7	5.0	ug/kg
B-60-16	Tetrachloroethene	8.8	5.0	ug/kg
	m-Xylene & p-Xylene	3.0	2.5	ug/kg
B-54-4	cis-1,2-Dichloroethene	5.1	2.5	ug/kg
	Tetrachloroethene	160	5.0	ug/kg
	Trichloroethene	11	5.0	ug/kg
B-53-5	Trichloroethene	200	25	ug/kg
B-61-4	Tetrachloroethene	32	5.0	ug/kg
	Trichloroethene	6.2	5.0	ug/kg
B-70-8	Tetrachloroethene	580	25	ug/kg
	Trichloroethene	25	25	ug/kg

- The samples were analyzed within holding time and without incident, with the exception of the following items noted.
- Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. In some cases, due to analytes present above the linear calibration curve, samples had to be analyzed at a dilution. For samples analyzed at a dilution, the reporting limits have been adjusted relative to the dilution required. The following table details the associated dilutions.

Sample ID	Dilution
B-48-18	1:2.5
B-50-4	1:5
B-50-18	1:80
B-53-5	1:5
B-70-8	1:5

- Samples B-56-18, B-48-18 and B-50-18 were received at the laboratory with a pH value >2.0. The samples were analyzed within the normal 14 day holding time; however, experimental evidence suggests that some aromatic compounds in wastewater samples, notably benzene, toluene, and ethylbenzene are susceptible to biological degradation if samples are not preserved to a pH of 2.0.
- Samples B-56-3 and B-61-4 exhibited internal standard 1,4-Dichlorobenzene-d4 outside the QC control limits. Upon reparation and reanalysis, the internal standard area outliers were still present, confirming that this anomaly is most likely due to matrix interference. The original analysis data have been reported.

GC/MS Semivolatiles

- Sample analysis did not reveal any detected target analytes at or above Safety-Kleen (Wichita)'s RLs. The samples were analyzed within holding time and without incident.

Total Metals

- Sample analysis revealed detectable concentrations at or above Safety-Kleen (Wichita)'s RLs, as detailed in the Executive Summary-Detection Highlights Report. The samples were analyzed within holding time and without incident, with the exception of the following items noted.
- Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. Due to high target constituent concentration, the Lead and Cadmium analysis for sample B-54-4 had to be performed at a 1:5 dilution. The reporting limits have been adjusted relative to the dilution required.

- Client specific, as well as standard batch, MS/MSD has been provided. Percent recoveries and RPD data could not be calculated, for the Cadmium and Lead MS/MSD performed on sample B-60-1, due to the sample concentrations reading greater than four times the spike amounts.

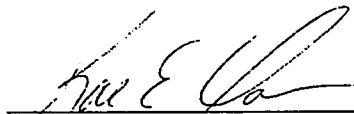
Revisions

The revisions included in this report are as follows:

1. GC/MS Semivolatiles – Additional compounds, bis (2-Ethylhexyl) phthalate and Dimethyl phthalate, have been reported for samples B-48-3, B-48-14, B-50-4 and B-50-15, as requested.
2. GC/MS Semivolatiles – As requested, the laboratory looked for any detectable concentrations present above the method detection limit (MDL) but below the reporting limit. None were found. The MDLs have been printed on the analytical data pages.

These data and reporting limits are being used specifically to meet the needs of this project. All RLs are supported by STL Denver's Method Detection Limits (MDLs). Reporting limits in this report are at or above the MDL.

I certify that the data presented in this report are accurate, complete, and meets the minimum quality assurance standards in 40-CFR 136, 40-CFR 141, and/or SW846. The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. An assessment of the quality of the data, noting any exceptions, outliers, and/or problems encountered have been narrated herein.



Kae E. Yoder
Project Manager

Date 1/15/02

EXECUTIVE SUMMARY - Detection Highlights

D1K120137

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
B-56-3 11/09/01 08:30 001				
Tetrachloroethene	68	5.0	ug/kg	SW846 8260B
Percent Moisture	14.6	0.10	%	MCAWW 160.3 MOD
B-56-16 11/09/01 08:45 002				
Tetrachloroethene	7.2	5.0	ug/kg	SW846 8260B
Percent Moisture	12.1	0.10	%	MCAWW 160.3 MOD
B-56-18 11/09/01 08:50 003				
Tetrachloroethene	55	1.0	ug/L	SW846 8260B
Trichloroethene	8.9	1.0	ug/L	SW846 8260B
B-48-3 11/09/01 09:20 004				
1,1-Dichloroethane	16	5.0	ug/kg	SW846 8260B
Vinyl chloride	8.4	5.0	ug/kg	SW846 8260B
Percent Moisture	17.7	0.10	%	MCAWW 160.3 MOD
B-48-14 11/09/01 09:40 005				
Tetrachloroethene	71	5.0	ug/kg	SW846 8260B
Trichloroethene	8.4	5.0	ug/kg	SW846 8260B
Percent Moisture	10.1	0.10	%	MCAWW 160.3 MOD
B-48-18 11/09/01 09:45 006				
1,1-Dichloroethane	4.0	2.5	ug/L	SW846 8260B
cis-1,2-Dichloroethene	14	2.5	ug/L	SW846 8260B
Tetrachloroethene	44	2.5	ug/L	SW846 8260B
1,1,1-Trichloroethane	6.3	2.5	ug/L	SW846 8260B
Trichloroethene	10	2.5	ug/L	SW846 8260B
B-50-4 11/09/01 10:30 007				
cis-1,2-Dichloroethene	29	12	ug/kg	SW846 8260B
Tetrachloroethene	370	25	ug/kg	SW846 8260B
Trichloroethene	81	25	ug/kg	SW846 8260B
Percent Moisture	20.0	0.10	%	MCAWW 160.3 MOD

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D1K120137

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
B-50-15 11/09/01 10:45 008				
Percent Moisture	14.9	0.10	%	MCAWW 160.3 MOD
B-50-18 11/09/01 10:50 009				
cis-1,2-Dichloroethene	1700	80	ug/L	SW846 8260B
Tetrachloroethene	1700	80	ug/L	SW846 8260B
1,1,1-Trichloroethane	340	80	ug/L	SW846 8260B
Trichloroethene	960	80	ug/L	SW846 8260B
B-60-1 11/09/01 11:45 010				
Arsenic	1.9	1.0	mg/kg	SW846 6010B
Cadmium	34.8	0.50	mg/kg	SW846 6010B
Lead	466	0.80	mg/kg	SW846 6010B
Barium	30.2	1.0	mg/kg	SW846 6010B
Chromium	3.3	1.0	mg/kg	SW846 6010B
1,1-Dichloroethane	5.2	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	23	2.5	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	6.6	2.5	ug/kg	SW846 8260B
Tetrachloroethene	12	5.0	ug/kg	SW846 8260B
Toluene	44	5.0	ug/kg	SW846 8260B
Trichloroethene	6.9	5.0	ug/kg	SW846 8260B
Vinyl chloride	9.7	5.0	ug/kg	SW846 8260B
Percent Moisture	24.2	0.10	%	MCAWW 160.3 MOD
B-60-3 11/09/01 11:50 011				
Arsenic	7.2	1.0	mg/kg	SW846 6010B
Lead	10.6	0.80	mg/kg	SW846 6010B
Barium	272	1.0	mg/kg	SW846 6010B
Chromium	20.4	1.0	mg/kg	SW846 6010B
Percent Moisture	18.5	0.10	%	MCAWW 160.3 MOD
B-60-16 11/09/01 12:10 012				
Arsenic	1.1	1.0	mg/kg	SW846 6010B
Lead	2.3	0.80	mg/kg	SW846 6010B
Barium	19.8	1.0	mg/kg	SW846 6010B
Chromium	2.0	1.0	mg/kg	SW846 6010B
Tetrachloroethene	8.8	5.0	ug/kg	SW846 8260B
m-Xylene & p-Xylene	3.0	2.5	ug/kg	SW846 8260B
Percent Moisture	5.9	0.10	%	MCAWW 160.3 MOD

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D1K120137

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
B-54-4 11/07/01 07:40 013				
Mercury	0.11	0.033	mg/kg	SW846 7471A
Silver	3.1	1.0	mg/kg	SW846 6010B
Arsenic	39.6	1.0	mg/kg	SW846 6010B
Cadmium	4.3	2.5	mg/kg	SW846 6010B
Lead	549	4.0	mg/kg	SW846 6010B
Barium	511	1.0	mg/kg	SW846 6010B
Chromium	207	1.0	mg/kg	SW846 6010B
cis-1,2-Dichloroethene	5.1	2.5	ug/kg	SW846 8260B
Tetrachloroethene	160	5.0	ug/kg	SW846 8260B
Trichloroethene	11	5.0	ug/kg	SW846 8260B
Percent Moisture	9.0	0.10	%	MCAWW 160.3 MOD
B-54-17 11/07/01 08:00 014				
Arsenic	2.9	1.0	mg/kg	SW846 6010B
Cadmium	0.72	0.50	mg/kg	SW846 6010B
Lead	44.2	0.80	mg/kg	SW846 6010B
Barium	67.3	1.0	mg/kg	SW846 6010B
Chromium	22.1	1.0	mg/kg	SW846 6010B
Percent Moisture	8.6	0.10	%	MCAWW 160.3 MOD
B-53-5 11/07/01 08:15 015				
Trichloroethene	200	25	ug/kg	SW846 8260B
Percent Moisture	20.6	0.10	%	MCAWW 160.3 MOD
B-53-17 11/07/01 08:45 016				
Percent Moisture	12.3	0.10	%	MCAWW 160.3 MOD
B-62-0.5 11/07/01 09:30 017				
Mercury	0.046	0.033	mg/kg	SW846 7471A
Arsenic	6.8	1.0	mg/kg	SW846 6010B
Cadmium	21.8	0.50	mg/kg	SW846 6010B
Lead	142	0.80	mg/kg	SW846 6010B
Barium	456	1.0	mg/kg	SW846 6010B
Chromium	47.2	1.0	mg/kg	SW846 6010B
Percent Moisture	7.4	0.10	%	MCAWW 160.3 MOD

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

DIK120137

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
B-62-5 11/07/01 09:35 018				
Arsenic	5.4	1.0	mg/kg	SW846 6010B
Lead	12.3	0.80	mg/kg	SW846 6010B
Barium	201	1.0	mg/kg	SW846 6010B
Chromium	28.8	1.0	mg/kg	SW846 6010B
Percent Moisture	16.6	0.10	%	MCAWW 160.3 MOD
B-62-17 11/07/01 09:55 019				
Arsenic	2.2	1.0	mg/kg	SW846 6010B
Lead	8.0	0.80	mg/kg	SW846 6010B
Barium	43.2	1.0	mg/kg	SW846 6010B
Chromium	11.8	1.0	mg/kg	SW846 6010B
Percent Moisture	8.2	0.10	%	MCAWW 160.3 MOD
B-61-0.5 11/07/01 10:12 020				
Mercury	0.12	0.033	mg/kg	SW846 7471A
Arsenic	10.1	1.0	mg/kg	SW846 6010B
Cadmium	4.6	0.50	mg/kg	SW846 6010B
Lead	542	0.80	mg/kg	SW846 6010B
Barium	310	1.0	mg/kg	SW846 6010B
Chromium	65.8	1.0	mg/kg	SW846 6010B
Percent Moisture	5.3	0.10	%	MCAWW 160.3 MOD
B-61-4 11/07/01 10:12 021				
Mercury	0.41	0.033	mg/kg	SW846 7471A
Arsenic	6.1	1.0	mg/kg	SW846 6010B
Cadmium	6.7	0.50	mg/kg	SW846 6010B
Lead	219	0.80	mg/kg	SW846 6010B
Barium	347	1.0	mg/kg	SW846 6010B
Chromium	33.6	1.0	mg/kg	SW846 6010B
Tetrachloroethene	32	5.0	ug/kg	SW846 8260B
Trichloroethene	6.2	5.0	ug/kg	SW846 8260B
Percent Moisture	9.2	0.10	%	MCAWW 160.3 MOD
B-61-18 11/07/01 10:40 022				
Arsenic	1.2	1.0	mg/kg	SW846 6010B
Lead	1.8	0.80	mg/kg	SW846 6010B
Barium	15.4	1.0	mg/kg	SW846 6010B
Chromium	1.1	1.0	mg/kg	SW846 6010B
Percent Moisture	6.3	0.10	%	MCAWW 160.3 MOD

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

DIK120137

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
B-70-0.5 11/07/01 11:30 023				
Mercury	0.31	0.033	mg/kg	SW846 7471A
Arsenic	8.4	1.0	mg/kg	SW846 6010B
Cadmium	3.0	0.50	mg/kg	SW846 6010B
Lead	105	0.80	mg/kg	SW846 6010B
Barium	168	1.0	mg/kg	SW846 6010B
Chromium	44.7	1.0	mg/kg	SW846 6010B
Percent Moisture	3.5	0.10	%	MCAWW 160.3 MOD
B-70-8 11/07/01 11:05 024				
Mercury	0.035	0.033	mg/kg	SW846 7471A
Arsenic	4.9	1.0	mg/kg	SW846 6010B
Lead	26.3	0.80	mg/kg	SW846 6010B
Barium	192	1.0	mg/kg	SW846 6010B
Chromium	18.6	1.0	mg/kg	SW846 6010B
Tetrachloroethene	580	25	ug/kg	SW846 8260B
Trichloroethene	25	25	ug/kg	SW846 8260B
Percent Moisture	18.7	0.10	%	MCAWW 160.3 MOD

METHODS SUMMARY

DIK120137

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3050B
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A	SW846 7471A
Percent Moisture	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3550B
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3050B
Volatile Organics by GC/MS	SW846 8260B	SW846 5030
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

- MCAWW "Methods for Chemical Analysis of Water and Wastes",
EPA-600/4-79-020, March 1983 and subsequent revisions.
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

D1K120137

<u>ANALYTICAL METHOD</u>	<u>ANALYST</u>	<u>ANALYST ID</u>
MCAWW 160.3 MOD	Nathan Lovstad	000090
SW846 6010B	Lynn-Anne Trudell	006645
SW846 6010B	Steve Mustain	006720
SW846 7471A	Thomas Lill	006929
SW846 8260B	Dan Appelkans	001008
SW846 8260B	Mike Armstrong	002544
SW846 8270C	Xiayasang Leewaphath	006600

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes",
EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

DIK120137

WO #	SAMPLE#	CLIENT	SAMPLE ID	SAMPLED DATE	SAMP TIME
ENQ1K	001	B-56-3		11/09/01	08:30
ENQ1X	002	B-56-16		11/09/01	08:45
ENQ10	003	B-56-18		11/09/01	08:50
ENQ14	004	B-48-3		11/09/01	09:20
ENQ2C	005	B-48-14		11/09/01	09:40
ENQ2F	006	B-48-18		11/09/01	09:45
ENQ2K	007	B-50-4		11/09/01	10:30
ENQ2M	008	B-50-15		11/09/01	10:45
ENQ2P	009	B-50-18		11/09/01	10:50
ENQ2R	010	B-60-1		11/09/01	11:45
ENQ2T	011	B-60-3		11/09/01	11:50
ENQ2V	012	B-60-16		11/09/01	12:10
ENQ3J	013	B-54-4		11/07/01	07:40
ENQ3W	014	B-54-17		11/07/01	08:00
ENQ34	015	B-53-5		11/07/01	08:15
ENQ4A	016	B-53-17		11/07/01	08:45
ENQ4C	017	B-62-0.5		11/07/01	09:30
ENQ4F	018	B-62-5		11/07/01	09:35
ENQ4H	019	B-62-17		11/07/01	09:55
ENQ4M	020	B-61-0.5		11/07/01	10:12
ENQ5R	021	B-61-4		11/07/01	10:12
ENQ51	022	B-61-18		11/07/01	10:40
ENQ54	023	B-70-0.5		11/07/01	11:30
ENQ59	024	B-70-8		11/07/01	11:05

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

CAMERON-COLE LLC

Client Sample ID: B-56-3

GC/MS Volatiles

Lot-Sample #....: D1K120137-001 Work Order #....: ENQ1K1AA Matrix.....: SOLID
 Date Sampled....: 11/09/01 08:30 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1325469 Analysis Time...: 20:05
 Dilution Factor: 1
 % Moisture.....: 15 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Bromobenzene	ND	5.0	ug/kg
Benzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-56-3

GC/MS Volatiles

Lot-Sample #...: D1K120137-001 Work Order #...: ENQ1K1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	68	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	116	(80 - 120)
1,2-Dichloroethane-d4	117	(79 - 125)
4-Bromofluorobenzene	129	(71 - 132)
Toluene-d8	115	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-56-16

GC/MS Volatiles

Lot-Sample #....: D1K120137-002 Work Order #....: ENQ1X1AA Matrix.....: SOLID
 Date Sampled....: 11/09/01 08:45 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1325469 Analysis Time...: 14:57
 Dilution Factor: 1
 % Moisture.....: 12 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Bromobenzene	ND	5.0	ug/kg
Benzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-56-16

GC/MS Volatiles

Lot-Sample #....: D1K120137-002 Work Order #....: ENQ1X1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	7.2	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(80 - 120)
1,2-Dichloroethane-d4	105	(79 - 125)
4-Bromofluorobenzene	97	(71 - 132)
Toluene-d8	92	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-56-18

GC/MS Volatiles

Lot-Sample #....: D1K120137-003 Work Order #....: ENQ101AA Matrix.....: WATER
 Date Sampled....: 11/09/01 08:50 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324476 Analysis Time...: 17:47
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	55	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	8.9	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: B-56-18

GC/MS Volatiles

Lot-Sample #....: D1K120137-003 Work Order #....: ENQ101AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(80 - 120)
1,2-Dichloroethane-d4	101	(72 - 127)
4-Bromofluorobenzene	104	(79 - 119)
Toluene-d8	108	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: B-48-3

GC/MS Volatiles

Lot-Sample #...: D1K120137-004 Work Order #...: ENQ141AA Matrix.....: SOLID
 Date Sampled...: 11/09/01 09:20 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #...: 1325469 Analysis Time...: 20:31
 Dilution Factor: 1
 % Moisture.....: 18 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	16	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-48-3

GC/MS Volatiles

Lot-Sample #....: D1K120137-004 Work Order #....: ENQ141AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	8.4	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	114	(80 - 120)
1,2-Dichloroethane-d4	116	(79 - 125)
4-Bromofluorobenzene	111	(71 - 132)
Toluene-d8	99	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-48-14

GC/MS Volatiles

Lot-Sample #....: D1K120137-005 Work Order #....: ENQ2C1AA Matrix.....: SOLID
 Date Sampled....: 11/09/01 09:40 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1325469 Analysis Time...: 15:49
 Dilution Factor: 1
 % Moisture.....: 10 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-48-14

GC/MS Volatiles

Lot-Sample #....: D1K120137-005 Work Order #....: ENQ2C1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	71	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	8.4	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(80 - 120)
1,2-Dichloroethane-d4	111	(79 - 125)
4-Bromofluorobenzene	108	(71 - 132)
Toluene-d8	96	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-48-18

GC/MS Volatiles

Lot-Sample #....: D1K120137-006 Work Order #....: ENQ2F1AA Matrix.....: WATER
 Date Sampled....: 11/09/01 09:45 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324476 Analysis Time...: 18:12
 Dilution Factor: 2.5

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	2.5	ug/L
Bromobenzene	ND	2.5	ug/L
Bromochloromethane	ND	2.5	ug/L
Bromodichloromethane	ND	2.5	ug/L
Bromoform	ND	2.5	ug/L
Bromomethane	ND	5.0	ug/L
n-Butylbenzene	ND	2.5	ug/L
sec-Butylbenzene	ND	2.5	ug/L
tert-Butylbenzene	ND	2.5	ug/L
Carbon tetrachloride	ND	2.5	ug/L
Chlorobenzene	ND	2.5	ug/L
Chlorodibromomethane	ND	2.5	ug/L
Chloroethane	ND	5.0	ug/L
Chloroform	ND	2.5	ug/L
Chloromethane	ND	5.0	ug/L
2-Chlorotoluene	ND	2.5	ug/L
4-Chlorotoluene	ND	2.5	ug/L
Dibromomethane	ND	2.5	ug/L
1,2-Dichlorobenzene	ND	2.5	ug/L
1,3-Dichlorobenzene	ND	2.5	ug/L
1,4-Dichlorobenzene	ND	2.5	ug/L
Dichlorodifluoromethane	ND	5.0	ug/L
1,1-Dichloroethane	4.0	2.5	ug/L
1,2-Dichloroethane	ND	2.5	ug/L
1,1-Dichloroethene	ND	2.5	ug/L
cis-1,2-Dichloroethene	14	2.5	ug/L
trans-1,2-Dichloroethene	ND	1.2	ug/L
1,2-Dichloropropane	ND	2.5	ug/L
1,3-Dichloropropane	ND	2.5	ug/L
2,2-Dichloropropane	ND	12	ug/L
1,1-Dichloropropene	ND	2.5	ug/L
Ethylbenzene	ND	2.5	ug/L
Trichlorofluoromethane	ND	5.0	ug/L
Hexachlorobutadiene	ND	2.5	ug/L
Isopropylbenzene	ND	2.5	ug/L
p-Isopropyltoluene	ND	2.5	ug/L
Methylene chloride	ND	2.5	ug/L
Naphthalene	ND	2.5	ug/L

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CAMERON-COLE LLC

Client Sample ID: B-48-18

GC/MS Volatiles

Lot-Sample #....: D1K120137-006 Work Order #....: ENQ2F1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	2.5	ug/L
Styrene	ND	2.5	ug/L
1,1,1,2-Tetrachloroethane	ND	2.5	ug/L
1,1,2,2-Tetrachloroethane	ND	2.5	ug/L
Tetrachloroethene	44	2.5	ug/L
Toluene	ND	2.5	ug/L
1,2,3-Trichlorobenzene	ND	2.5	ug/L
1,2,4-Trichloro- benzene	ND	2.5	ug/L
1,1,1-Trichloroethane	6.3	2.5	ug/L
1,1,2-Trichloroethane	ND	2.5	ug/L
Trichloroethene	10	2.5	ug/L
1,2,3-Trichloropropane	ND	2.5	ug/L
1,2,4-Trimethylbenzene	ND	2.5	ug/L
1,3,5-Trimethylbenzene	ND	2.5	ug/L
Vinyl chloride	ND	2.5	ug/L
o-Xylene	ND	2.5	ug/L
m-Xylene & p-Xylene	ND	5.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	5.0	ug/L
1,2-Dibromoethane (EDB)	ND	2.5	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(80 - 120)
1,2-Dichloroethane-d4	99	(72 - 127)
4-Bromofluorobenzene	103	(79 - 119)
Toluene-d8	108	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: B-50-4

GC/MS Volatiles

Lot-Sample #....: D1K120137-007 Work Order #....: ENQ2K1AA Matrix.....: SOLID
 Date Sampled....: 11/09/01 10:30 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1325469 Analysis Time...: 20:57
 Dilution Factor: 5
 % Moisture.....: 20 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
trans-1,2-Dichloroethene	ND	12	ug/kg
1,1-Dichloroethene	ND	25	ug/kg
1,2-Dichloropropane	ND	25	ug/kg
1,3-Dichloropropane	ND	25	ug/kg
2,2-Dichloropropane	ND	25	ug/kg
Benzene	ND	25	ug/kg
Bromobenzene	ND	25	ug/kg
Bromochloromethane	ND	25	ug/kg
Bromodichloromethane	ND	25	ug/kg
Bromoform	ND	25	ug/kg
Bromomethane	ND	50	ug/kg
n-Butylbenzene	ND	25	ug/kg
sec-Butylbenzene	ND	25	ug/kg
tert-Butylbenzene	ND	25	ug/kg
Carbon tetrachloride	ND	25	ug/kg
Chlorobenzene	ND	25	ug/kg
Chlorodibromomethane	ND	25	ug/kg
Chloroethane	ND	50	ug/kg
Chloroform	ND	50	ug/kg
Chloromethane	ND	50	ug/kg
2-Chlorotoluene	ND	25	ug/kg
4-Chlorotoluene	ND	25	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	ug/kg
1,2-Dibromoethane (EDB)	ND	25	ug/kg
Dibromomethane	ND	25	ug/kg
1,2-Dichlorobenzene	ND	25	ug/kg
1,3-Dichlorobenzene	ND	25	ug/kg
1,4-Dichlorobenzene	ND	25	ug/kg
Dichlorodifluoromethane	ND	50	ug/kg
1,1-Dichloroethane	ND	25	ug/kg
1,2-Dichloroethane	ND	25	ug/kg
cis-1,2-Dichloroethene	29	12	ug/kg
1,1-Dichloropropene	ND	25	ug/kg
Ethylbenzene	ND	25	ug/kg
Hexachlorobutadiene	ND	25	ug/kg
Isopropylbenzene	ND	25	ug/kg
p-Isopropyltoluene	ND	25	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-50-4

GC/MS Volatiles

Lot-Sample #....: D1K120137-007 Work Order #....: ENQ2K1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	25	ug/kg
Naphthalene	ND	25	ug/kg
n-Propylbenzene	ND	25	ug/kg
Styrene	ND	25	ug/kg
1,1,1,2-Tetrachloroethane	ND	25	ug/kg
1,1,2,2-Tetrachloroethane	ND	25	ug/kg
Tetrachloroethene	370	25	ug/kg
Toluene	ND	25	ug/kg
1,2,3-Trichlorobenzene	ND	25	ug/kg
1,2,4-Trichloro- benzene	ND	25	ug/kg
1,1,1-Trichloroethane	ND	25	ug/kg
1,1,2-Trichloroethane	ND	25	ug/kg
Trichloroethene	81	25	ug/kg
Trichlorofluoromethane	ND	50	ug/kg
1,2,3-Trichloropropane	ND	25	ug/kg
1,2,4-Trimethylbenzene	ND	25	ug/kg
1,3,5-Trimethylbenzene	ND	25	ug/kg
Vinyl chloride	ND	25	ug/kg
m-Xylene & p-Xylene	ND	12	ug/kg
o-Xylene	ND	12	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(80 - 120)
1,2-Dichloroethane-d4	112	(79 - 125)
4-Bromofluorobenzene	97	(71 - 132)
Toluene-d8	93	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-50-15

GC/MS Volatiles

Lot-Sample #....: D1K120137-008 Work Order #....: ENQ2M1AA Matrix.....: SOLID
 Date Sampled....: 11/09/01 10:45 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1325469 Analysis Time...: 16:40
 Dilution Factor: 1
 % Moisture.....: 15 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-50-15

GC/MS Volatiles

Lot-Sample #....: D1K120137-008 Work Order #....: ENQ2M1AA Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	107	(80 - 120)
1,2-Dichloroethane-d4	108	(79 - 125)
4-Bromofluorobenzene	99	(71 - 132)
Toluene-d8	92	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-50-18

GC/MS Volatiles

Lot-Sample #....: D1K120137-009 Work Order #....: ENQ2P1AA Matrix.....: WATER
 Date Sampled....: 11/09/01 10:50 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324476 Analysis Time...: 18:37
 Dilution Factor: 80

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	80	ug/L
Bromobenzene	ND	80	ug/L
Bromochloromethane	ND	80	ug/L
Bromodichloromethane	ND	80	ug/L
Bromoform	ND	80	ug/L
Bromomethane	ND	160	ug/L
n-Butylbenzene	ND	80	ug/L
sec-Butylbenzene	ND	80	ug/L
tert-Butylbenzene	ND	80	ug/L
Carbon tetrachloride	ND	80	ug/L
Chlorobenzene	ND	80	ug/L
Chlorodibromomethane	ND	80	ug/L
Chloroethane	ND	160	ug/L
Chloroform	ND	80	ug/L
Chloromethane	ND	160	ug/L
2-Chlorotoluene	ND	80	ug/L
4-Chlorotoluene	ND	80	ug/L
Dibromomethane	ND	80	ug/L
1,2-Dichlorobenzene	ND	80	ug/L
1,3-Dichlorobenzene	ND	80	ug/L
1,4-Dichlorobenzene	ND	80	ug/L
Dichlorodifluoromethane	ND	160	ug/L
1,1-Dichloroethane	ND	80	ug/L
1,2-Dichloroethane	ND	80	ug/L
1,1-Dichloroethene	ND	80	ug/L
cis-1,2-Dichloroethene	1700	80	ug/L
trans-1,2-Dichloroethene	ND	40	ug/L
1,2-Dichloropropane	ND	80	ug/L
1,3-Dichloropropane	ND	80	ug/L
2,2-Dichloropropane	ND	400	ug/L
1,1-Dichloropropene	ND	80	ug/L
Ethylbenzene	ND	80	ug/L
Trichlorofluoromethane	ND	160	ug/L
Hexachlorobutadiene	ND	80	ug/L
Isopropylbenzene	ND	80	ug/L
p-Isopropyltoluene	ND	80	ug/L
Methylene chloride	ND	80	ug/L
Naphthalene	ND	80	ug/L

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CAMERON-COLE LLC

Client Sample ID: B-50-18

GC/MS Volatiles

Lot-Sample #....: D1K120137-009 Work Order #....: ENQ2P1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	80	ug/L
Styrene	ND	80	ug/L
1,1,1,2-Tetrachloroethane	ND	80	ug/L
1,1,2,2-Tetrachloroethane	ND	80	ug/L
Tetrachloroethene	1700	80	ug/L
Toluene	ND	80	ug/L
1,2,3-Trichlorobenzene	ND	80	ug/L
1,2,4-Trichloro- benzene	ND	80	ug/L
1,1,1-Trichloroethane	340	80	ug/L
1,1,2-Trichloroethane	ND	80	ug/L
Trichloroethene	960	80	ug/L
1,2,3-Trichloropropane	ND	80	ug/L
1,2,4-Trimethylbenzene	ND	80	ug/L
1,3,5-Trimethylbenzene	ND	80	ug/L
Vinyl chloride	ND	80	ug/L
o-Xylene	ND	80	ug/L
m-Xylene & p-Xylene	ND	160	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	160	ug/L
1,2-Dibromoethane (EDB)	ND	80	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(80 - 120)
1,2-Dichloroethane-d4	104	(72 - 127)
4-Bromofluorobenzene	103	(79 - 119)
Toluene-d8	105	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: B-60-1

GC/MS Volatiles

Lot-Sample #....: D1K120137-010 Work Order #....: ENQ2R1AA Matrix.....: SOLID
 Date Sampled....: 11/09/01 11:45 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1325469 Analysis Time...: 21:24
 Dilution Factor: 1
 % Moisture.....: 24 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	5.2	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	23	2.5	ug/kg
trans-1,2-Dichloroethene	6.6	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-60-1

GC/MS Volatiles

Lot-Sample #....: D1K120137-010 Work Order #....: ENQ2R1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	12	5.0	ug/kg
Toluene	44	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	6.9	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	9.7	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(80 - 120)
1,2-Dichloroethane-d4	112	(79 - 125)
4-Bromofluorobenzene	115	(71 - 132)
Toluene-d8	98	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-60-3

GC/MS Volatiles

Lot-Sample #....: D1K120137-011 Work Order #....: ENQ2T1AA Matrix.....: SOLID
 Date Sampled....: 11/09/01 11:50 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1325469 Analysis Time...: 17:30
 Dilution Factor: 1
 % Moisture.....: 18 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-60-3

GC/MS Volatiles

Lot-Sample #....: D1K120137-011 Work Order #....: ENQ2T1AA Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	106	(80 - 120)
1,2-Dichloroethane-d4	104	(79 - 125)
4-Bromofluorobenzene	98	(71 - 132)
Toluene-d8	92	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-60-16

GC/MS Volatiles

Lot-Sample #....: D1K120137-012 Work Order #....: ENQ2V1AA Matrix.....: SOLID
 Date Sampled....: 11/09/01 12:10 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1325469 Analysis Time...: 17:55
 Dilution Factor: 1
 % Moisture.....: 5.9 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-60-16

GC/MS Volatiles

Lot-Sample #....: D1K120137-012 Work Order #....: ENQ2V1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	8.8	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	3.0	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(80 - 120)
1,2-Dichloroethane-d4	107	(79 - 125)
4-Bromofluorobenzene	103	(71 - 132)
Toluene-d8	94	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-54-4

GC/MS Volatiles

Lot-Sample #....: D1K120137-013 Work Order #....: ENQ3J1AA Matrix.....: SOLID
 Date Sampled....: 11/07/01 07:40 Date Received...: 11/10/01
 Prep Date.....: 11/17/01 Analysis Date...: 11/18/01
 Prep Batch #....: 1322127 Analysis Time...: 02:36
 Dilution Factor: 1
 % Moisture.....: 9.0 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	5.1	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-54-4

GC/MS Volatiles

Lot-Sample #....: D1K120137-013 Work Order #....: ENQ3J1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	160	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	11	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(80 - 120)
1,2-Dichloroethane-d4	107	(79 - 125)
4-Bromofluorobenzene	121	(71 - 132)
Toluene-d8	98	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-54-17

GC/MS Volatiles

Lot-Sample #....: D1K120137-014 Work Order #....: ENQ3W1AA Matrix.....: SOLID
 Date Sampled....: 11/07/01 08:00 Date Received...: 11/10/01
 Prep Date.....: 11/17/01 Analysis Date...: 11/18/01
 Prep Batch #....: 1322127 Analysis Time...: 03:02
 Dilution Factor: 1
 % Moisture.....: 8.6 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-54-17

GC/MS Volatiles

Lot-Sample #....: D1K120137-014 Work Order #....: ENQ3W1AA Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	105	(80 - 120)
1,2-Dichloroethane-d4	109	(79 - 125)
4-Bromofluorobenzene	100	(71 - 132)
Toluene-d8	91	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-53-5

GC/MS Volatiles

Lot-Sample #....: D1K120137-015 Work Order #....: ENQ341AA Matrix.....: SOLID
 Date Sampled....: 11/07/01 08:15 Date Received...: 11/10/01
 Prep Date.....: 11/18/01 Analysis Date...: 11/18/01
 Prep Batch #....: 1325441 Analysis Time...: 12:37
 Dilution Factor: 5
 % Moisture.....: 21 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	25	ug/kg
Bromobenzene	ND	25	ug/kg
Bromochloromethane	ND	25	ug/kg
Bromodichloromethane	ND	25	ug/kg
Bromoform	ND	25	ug/kg
Bromomethane	ND	50	ug/kg
n-Butylbenzene	ND	25	ug/kg
sec-Butylbenzene	ND	25	ug/kg
tert-Butylbenzene	ND	25	ug/kg
Carbon tetrachloride	ND	25	ug/kg
Chlorobenzene	ND	25	ug/kg
Chlorodibromomethane	ND	25	ug/kg
Chloroethane	ND	50	ug/kg
Chloroform	ND	50	ug/kg
Chloromethane	ND	50	ug/kg
2-Chlorotoluene	ND	25	ug/kg
4-Chlorotoluene	ND	25	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	ug/kg
1,2-Dibromoethane (EDB)	ND	25	ug/kg
Dibromomethane	ND	25	ug/kg
1,2-Dichlorobenzene	ND	25	ug/kg
1,3-Dichlorobenzene	ND	25	ug/kg
1,4-Dichlorobenzene	ND	25	ug/kg
Dichlorodifluoromethane	ND	50	ug/kg
1,1-Dichloroethane	ND	25	ug/kg
1,2-Dichloroethane	ND	25	ug/kg
cis-1,2-Dichloroethene	ND	12	ug/kg
trans-1,2-Dichloroethene	ND	12	ug/kg
1,1-Dichloroethene	ND	25	ug/kg
1,2-Dichloropropane	ND	25	ug/kg
1,3-Dichloropropane	ND	25	ug/kg
2,2-Dichloropropane	ND	25	ug/kg
1,1-Dichloropropene	ND	25	ug/kg
Ethylbenzene	ND	25	ug/kg
Hexachlorobutadiene	ND	25	ug/kg
Isopropylbenzene	ND	25	ug/kg
p-Isopropyltoluene	ND	25	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-53-5

GC/MS Volatiles

Lot-Sample #....: D1K120137-015 Work Order #....: ENQ341AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	25	ug/kg
Naphthalene	ND	25	ug/kg
n-Propylbenzene	ND	25	ug/kg
Styrene	ND	25	ug/kg
1,1,1,2-Tetrachloroethane	ND	25	ug/kg
1,1,2,2-Tetrachloroethane	ND	25	ug/kg
Tetrachloroethene	ND	25	ug/kg
Toluene	ND	25	ug/kg
1,2,3-Trichlorobenzene	ND	25	ug/kg
1,2,4-Trichloro- benzene	ND	25	ug/kg
1,1,1-Trichloroethane	ND	25	ug/kg
1,1,2-Trichloroethane	ND	25	ug/kg
Trichloroethene	200	25	ug/kg
Trichlorofluoromethane	ND	50	ug/kg
1,2,3-Trichloropropane	ND	25	ug/kg
1,2,4-Trimethylbenzene	ND	25	ug/kg
1,3,5-Trimethylbenzene	ND	25	ug/kg
Vinyl chloride	ND	25	ug/kg
m-Xylene & p-Xylene	ND	12	ug/kg
o-Xylene	ND	12	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(80 - 120)
1,2-Dichloroethane-d4	103	(79 - 125)
4-Bromofluorobenzene	103	(71 - 132)
Toluene-d8	95	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-53-17

GC/MS Volatiles

Lot-Sample #....: D1K120137-016 Work Order #....: ENQ4A1AA Matrix.....: SOLID
 Date Sampled....: 11/07/01 08:45 Date Received...: 11/10/01
 Prep Date.....: 11/17/01 Analysis Date...: 11/18/01
 Prep Batch #....: 1322127 Analysis Time...: 03:55
 Dilution Factor: 1
 % Moisture.....: 12 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-53-17

GC/MS Volatiles

Lot-Sample #....: D1K120137-016 Work Order #....: ENQ4A1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(80 - 120)
1,2-Dichloroethane-d4	117	(79 - 125)
4-Bromofluorobenzene	106	(71 - 132)
Toluene-d8	96	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-62-0.5

GC/MS Volatiles

Lot-Sample #....: D1K120137-017 Work Order #....: ENQ4C1AA Matrix.....: SOLID
 Date Sampled....: 11/07/01 09:30 Date Received...: 11/10/01
 Prep Date.....: 11/17/01 Analysis Date...: 11/18/01
 Prep Batch #....: 1322127 Analysis Time...: 04:22
 Dilution Factor: 1
 % Moisture.....: 7.4 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-62-0.5

GC/MS Volatiles

Lot-Sample #....: D1K120137-017 Work Order #....: ENQ4C1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(80 - 120)
1,2-Dichloroethane-d4	119	(79 - 125)
4-Bromofluorobenzene	126	(71 - 132)
Toluene-d8	103	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-62-5

GC/MS Volatiles

Lot-Sample #....: D1K120137-018 Work Order #....: ENQ4F1AA Matrix.....: SOLID
 Date Sampled....: 11/07/01 09:35 Date Received...: 11/10/01
 Prep Date.....: 11/17/01 Analysis Date...: 11/18/01
 Prep Batch #....: 1322127 Analysis Time...: 04:48
 Dilution Factor: 1
 % Moisture.....: 17 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-62-5

GC/MS Volatiles

Lot-Sample #....: D1K120137-018 Work Order #....: ENQ4F1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(80 - 120)
1,2-Dichloroethane-d4	114	(79 - 125)
4-Bromofluorobenzene	98	(71 - 132)
Toluene-d8	93	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-62-17

GC/MS Volatiles

Lot-Sample #....: D1K120137-019 Work Order #....: ENQ4H1AA Matrix.....: SOLID
 Date Sampled....: 11/07/01 09:55 Date Received...: 11/10/01
 Prep Date.....: 11/18/01 Analysis Date...: 11/18/01
 Prep Batch #....: 1325441 Analysis Time...: 13:03
 Dilution Factor: 1
 % Moisture.....: 8.2 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-62-17

GC/MS Volatiles

Lot-Sample #....: D1K120137-019 Work Order #....: ENQ4H1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(80 - 120)
1,2-Dichloroethane-d4	104	(79 - 125)
4-Bromofluorobenzene	97	(71 - 132)
Toluene-d8	90	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-61-0.5

GC/MS Volatiles

Lot-Sample #....: D1K120137-020 Work Order #....: ENQ4M1AA Matrix.....: SOLID
 Date Sampled....: 11/07/01 10:12 Date Received...: 11/10/01
 Prep Date.....: 11/18/01 Analysis Date...: 11/18/01
 Prep Batch #....: 1325441 Analysis Time...: 14:21
 Dilution Factor: 1
 % Moisture.....: 5.3 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-61-0.5

GC/MS Volatiles

Lot-Sample #....: D1K120137-020 Work Order #....: ENQ4M1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	110	(80 - 120)
1,2-Dichloroethane-d4	110	(79 - 125)
4-Bromofluorobenzene	123	(71 - 132)
Toluene-d8	100	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-61-4

GC/MS Volatiles

Lot-Sample #....: D1K120137-021 Work Order #....: ENQ5R1AA Matrix.....: SOLID
 Date Sampled....: 11/07/01 10:12 Date Received...: 11/10/01
 Prep Date.....: 11/18/01 Analysis Date...: 11/18/01
 Prep Batch #....: 1325441 Analysis Time...: 14:47
 Dilution Factor: 1
 % Moisture.....: 9.2 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-61-4

GC/MS Volatiles

Lot-Sample #....: D1K120137-021 Work Order #....: ENQ5R1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	32	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	6.2	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(80 - 120)
1,2-Dichloroethane-d4	118	(79 - 125)
4-Bromofluorobenzene	122	(71 - 132)
Toluene-d8	103	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-61-18

GC/MS Volatiles

Lot-Sample #....: D1K120137-022 Work Order #....: ENQ511AA Matrix.....: SOLID
 Date Sampled....: 11/07/01 10:40 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1325469 Analysis Time...: 12:44
 Dilution Factor: 1
 % Moisture.....: 6.3 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichlorobenzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-61-18

GC/MS Volatiles

Lot-Sample #....: D1K120137-022 Work Order #....: ENQ511AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(80 - 120)
1,2-Dichloroethane-d4	99	(79 - 125)
4-Bromofluorobenzene	97	(71 - 132)
Toluene-d8	88	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-70-8

GC/MS Volatiles

Lot-Sample #....: D1K120137-024 Work Order #....: ENQ591AA Matrix.....: SOLID
 Date Sampled....: 11/07/01 11:05 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1325469 Analysis Time...: 14:05
 Dilution Factor: 5
 % Moisture.....: 19 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	ug/kg
1,2-Dibromoethane (EDB)	ND	25	ug/kg
Dibromomethane	ND	25	ug/kg
1,2-Dichlorobenzene	ND	25	ug/kg
1,3-Dichlorobenzene	ND	25	ug/kg
1,4-Dichlorobenzene	ND	25	ug/kg
Dichlorodifluoromethane	ND	50	ug/kg
1,1-Dichloroethane	ND	25	ug/kg
1,2-Dichloroethane	ND	25	ug/kg
cis-1,2-Dichloroethene	ND	12	ug/kg
trans-1,2-Dichloroethene	ND	12	ug/kg
1,1-Dichloroethene	ND	25	ug/kg
1,2-Dichloropropane	ND	25	ug/kg
1,3-Dichloropropane	ND	25	ug/kg
2,2-Dichloropropane	ND	25	ug/kg
1,1-Dichloropropene	ND	25	ug/kg
Ethylbenzene	ND	25	ug/kg
Hexachlorobutadiene	ND	25	ug/kg
Isopropylbenzene	ND	25	ug/kg
p-Isopropyltoluene	ND	25	ug/kg
Methylene chloride	ND	25	ug/kg
Naphthalene	ND	25	ug/kg
n-Propylbenzene	ND	25	ug/kg
Styrene	ND	25	ug/kg
1,1,1,2-Tetrachloroethane	ND	25	ug/kg
1,1,2,2-Tetrachloroethane	ND	25	ug/kg
Tetrachloroethene	580	25	ug/kg
Bromomethane	ND	50	ug/kg
n-Butylbenzene	ND	25	ug/kg
sec-Butylbenzene	ND	25	ug/kg
tert-Butylbenzene	ND	25	ug/kg
Carbon tetrachloride	ND	25	ug/kg
Chlorobenzene	ND	25	ug/kg
Toluene	ND	25	ug/kg
1,2,3-Trichlorobenzene	ND	25	ug/kg
Chlorodibromomethane	ND	25	ug/kg
Chloroethane	ND	50	ug/kg

(Continued on next page)

CAMERON-COLE LLC

Client Sample ID: B-70-8

GC/MS Volatiles

Lot-Sample #...: D1K120137-024 Work Order #...: ENQ591AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroform	ND	50	ug/kg
1,2,4-Trichloro- benzene	ND	25	ug/kg
1,1,1-Trichloroethane	ND	25	ug/kg
1,1,2-Trichloroethane	ND	25	ug/kg
Trichloroethene	25	25	ug/kg
Trichlorofluoromethane	ND	50	ug/kg
1,2,3-Trichloropropane	ND	25	ug/kg
1,2,4-Trimethylbenzene	ND	25	ug/kg
1,3,5-Trimethylbenzene	ND	25	ug/kg
Vinyl chloride	ND	25	ug/kg
Chloromethane	ND	50	ug/kg
2-Chlorotoluene	ND	25	ug/kg
4-Chlorotoluene	ND	25	ug/kg
m-Xylene & p-Xylene	ND	12	ug/kg
o-Xylene	ND	12	ug/kg
Benzene	ND	25	ug/kg
Bromobenzene	ND	25	ug/kg
Bromochloromethane	ND	25	ug/kg
Bromodichloromethane	ND	25	ug/kg
Bromoform	ND	25	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(80 - 120)
1,2-Dichloroethane-d4	109	(79 - 125)
4-Bromofluorobenzene	110	(71 - 132)
Toluene-d8	97	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-48-3

GC/MS Semivolatiles

Lot-Sample #....: D1K120137-004 Work Order #....: ENQ141AN Matrix.....: SOLID
 Date Sampled....: 11/09/01 09:20 Date Received...: 11/10/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/25/01
 Prep Batch #....: 1325202 Analysis Time...: 17:41
 Dilution Factor: 1
 % Moisture.....: 18 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	330	ug/kg	46
Acenaphthylene	ND	330	ug/kg	34
Anthracene	ND	330	ug/kg	78
Benzo(a)anthracene	ND	330	ug/kg	39
Benzo(b)fluoranthene	ND	330	ug/kg	100
Benzo(k)fluoranthene	ND	330	ug/kg	93
Benzo(ghi)perylene	ND	330	ug/kg	70
Benzo(a)pyrene	ND	330	ug/kg	94
Chrysene	ND	330	ug/kg	53
Dibenz(a,h)anthracene	ND	330	ug/kg	47
Fluoranthene	ND	330	ug/kg	84
Fluorene	ND	330	ug/kg	76
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	48
Naphthalene	ND	330	ug/kg	70
Phenanthrene	ND	330	ug/kg	37
Pyrene	ND	330	ug/kg	40
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	69
Dimethyl phthalate	ND	330	ug/kg	85

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
2-Fluorophenol	69	(34 - 97)
Phenol-d5	68	(39 - 90)
Nitrobenzene-d5	71	(33 - 97)
2-Fluorobiphenyl	68	(39 - 91)
2,4,6-Tribromophenol	75	(29 - 95)
Terphenyl-d14	67	(30 - 102)

CAMERON-COLE LLC

Client Sample ID: B-48-14

GC/MS Semivolatiles

Lot-Sample #....: D1K120137-005 Work Order #....: ENQ2C1AN Matrix.....: SOLID
 Date Sampled....: 11/09/01 09:40 Date Received...: 11/10/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/25/01
 Prep Batch #....: 1325202 Analysis Time...: 18:50
 Dilution Factor: 1
 % Moisture.....: 10 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	330	ug/kg	46
Acenaphthylene	ND	330	ug/kg	34
Anthracene	ND	330	ug/kg	78
Benzo(a)anthracene	ND	330	ug/kg	39
Benzo(b)fluoranthene	ND	330	ug/kg	100
Benzo(k)fluoranthene	ND	330	ug/kg	93
Benzo(ghi)perylene	ND	330	ug/kg	70
Benzo(a)pyrene	ND	330	ug/kg	94
Chrysene	ND	330	ug/kg	53
Dibenz(a,h)anthracene	ND	330	ug/kg	47
Fluoranthene	ND	330	ug/kg	84
Fluorene	ND	330	ug/kg	76
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	48
Naphthalene	ND	330	ug/kg	70
Phenanthrene	ND	330	ug/kg	37
Pyrene	ND	330	ug/kg	40
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	69
Dimethyl phthalate	ND	330	ug/kg	85

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	67	(34 - 97)
Phenol-d5	63	(39 - 90)
Nitrobenzene-d5	68	(33 - 97)
2-Fluorobiphenyl	64	(39 - 91)
2,4,6-Tribromophenol	58	(29 - 95)
Terphenyl-d14	71	(30 - 102)

CAMERON-COLE LLC

Client Sample ID: B-50-4

GC/MS Semivolatiles

Lot-Sample #....: D1K120137-007 Work Order #....: ENQ2K1AN Matrix.....: SOLID
 Date Sampled....: 11/09/01 10:30 Date Received...: 11/10/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/25/01
 Prep Batch #....: 1325202 Analysis Time...: 19:13
 Dilution Factor: 1
 % Moisture.....: 20 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	330	ug/kg	46
Acenaphthylene	ND	330	ug/kg	34
Anthracene	ND	330	ug/kg	78
Benzo(a)anthracene	ND	330	ug/kg	39
Benzo(b)fluoranthene	ND	330	ug/kg	100
Benzo(k)fluoranthene	ND	330	ug/kg	93
Benzo(ghi)perylene	ND	330	ug/kg	70
Benzo(a)pyrene	ND	330	ug/kg	94
Chrysene	ND	330	ug/kg	53
Dibenz(a,h)anthracene	ND	330	ug/kg	47
Fluoranthene	ND	330	ug/kg	84
Fluorene	ND	330	ug/kg	76
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	48
Naphthalene	ND	330	ug/kg	70
Phenanthrene	ND	330	ug/kg	37
Pyrene	ND	330	ug/kg	40
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	69
Dimethyl phthalate	ND	330	ug/kg	85
SURROGATE	PERCENT RECOVERY	RECOVERY		
		LIMITS		
2-Fluorophenol	74	(34 - 97)		
Phenol-d5	70	(39 - 90)		
Nitrobenzene-d5	73	(33 - 97)		
2-Fluorobiphenyl	70	(39 - 91)		
2,4,6-Tribromophenol	65	(29 - 95)		
Terphenyl-d14	81	(30 - 102)		

CAMERON-COLE LLC

Client Sample ID: B-50-15

GC/MS Semivolatiles

Lot-Sample #....: D1K120137-008 Work Order #....: ENQ2M1AN Matrix.....: SOLID
 Date Sampled....: 11/09/01 10:45 Date Received...: 11/10/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/25/01
 Prep Batch #....: 1325202 Analysis Time...: 19:36
 Dilution Factor: 1
 % Moisture.....: 15 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	330	ug/kg	46
Acenaphthylene	ND	330	ug/kg	34
Anthracene	ND	330	ug/kg	78
Benzo(a) anthracene	ND	330	ug/kg	39
Benzo(b) fluoranthene	ND	330	ug/kg	100
Benzo(k) fluoranthene	ND	330	ug/kg	93
Benzo(ghi) perylene	ND	330	ug/kg	70
Benzo(a) pyrene	ND	330	ug/kg	94
Chrysene	ND	330	ug/kg	53
Dibenz(a,h) anthracene	ND	330	ug/kg	47
Fluoranthene	ND	330	ug/kg	84
Fluorene	ND	330	ug/kg	76
Indeno(1,2,3-cd) pyrene	ND	330	ug/kg	48
Naphthalene	ND	330	ug/kg	70
Phenanthrene	ND	330	ug/kg	37
Pyrene	ND	330	ug/kg	40
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	69
Dimethyl phthalate	ND	330	ug/kg	85
SURROGATE	PERCENT RECOVERY	RECOVERY		
		LIMITS		
2-Fluorophenol	70	(34 - 97)		
Phenol-d5	66	(39 - 90)		
Nitrobenzene-d5	70	(33 - 97)		
2-Fluorobiphenyl	67	(39 - 91)		
2,4,6-Tribromophenol	57	(29 - 95)		
Terphenyl-d14	74	(30 - 102)		

CAMERON-COLE LLC

Client Sample ID: B-60-1

TOTAL Metals

Lot-Sample #....: D1K120137-010

Matrix.....: SOLID

Date Sampled...: 11/09/01 11:45 Date Received...: 11/10/01

% Moisture.....: 24

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1317293						
Mercury	ND	0.033	mg/kg	SW846 7471A	11/16/01	ENQ2R1AK
		Dilution Factor: 1		Analysis Time...: 21:41		
Prep Batch #....: 1319456						
Silver	ND	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ2R1AE
		Dilution Factor: 1		Analysis Time...: 14:45		
Arsenic	1.9	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ2R1AF
		Dilution Factor: 1		Analysis Time...: 14:45		
Barium	30.2	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ2R1AC
		Dilution Factor: 1		Analysis Time...: 14:45		
Cadmium	34.8	0.50	mg/kg	SW846 6010B	11/20-11/21/01	ENQ2R1AG
		Dilution Factor: 1		Analysis Time...: 14:45		
Chromium	3.3	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ2R1AD
		Dilution Factor: 1		Analysis Time...: 14:45		
Lead	466	0.80	mg/kg	SW846 6010B	11/20-11/21/01	ENQ2R1AH
		Dilution Factor: 1		Analysis Time...: 14:45		
Selenium	ND	1.3	mg/kg	SW846 6010B	11/20-11/21/01	ENQ2R1AJ
		Dilution Factor: 1		Analysis Time...: 14:45		

CAMERON-COLE LLC

Client Sample ID: B-60-3

TOTAL Metals

Lot-Sample #....: D1K120137-011

Matrix.....: SOLID

Date Sampled....: 11/09/01 11:50 Date Received...: 11/10/01

% Moisture.....: 18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1317293						
Mercury	ND	0.033	mg/kg	SW846 7471A	11/16/01	ENQ2T1AK
		Dilution Factor: 1		Analysis Time...: 21:43		
Prep Batch #....: 1319456						
Silver	ND	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ2T1AE
		Dilution Factor: 1		Analysis Time...: 15:02		
Arsenic	7.2	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ2T1AF
		Dilution Factor: 1		Analysis Time...: 15:02		
Barium	272	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ2T1AC
		Dilution Factor: 1		Analysis Time...: 15:02		
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/20-11/21/01	ENQ2T1AG
		Dilution Factor: 1		Analysis Time...: 15:02		
Chromium	20.4	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ2T1AD
		Dilution Factor: 1		Analysis Time...: 15:02		
Lead	10.6	0.80	mg/kg	SW846 6010B	11/20-11/21/01	ENQ2T1AH
		Dilution Factor: 1		Analysis Time...: 15:02		
Selenium	ND	1.3	mg/kg	SW846 6010B	11/20-11/21/01	ENQ2T1AJ
		Dilution Factor: 1		Analysis Time...: 15:02		

CAMERON-COLE LLC

Client Sample ID: B-60-16

TOTAL Metals

Lot-Sample #....: D1K120137-012

Matrix.....: SOLID

Date Sampled....: 11/09/01 12:10 Date Received...: 11/10/01

% Moisture.....: 5.9

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1317293						
Mercury	ND	0.033	mg/kg	SW846 7471A	11/16/01	ENQ2V1AK
		Dilution Factor: 1		Analysis Time...: 21:45		
Prep Batch #....: 1319456						
Silver	ND	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ2V1AE
		Dilution Factor: 1		Analysis Time...: 15:07		
Arsenic	1.1	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ2V1AF
		Dilution Factor: 1		Analysis Time...: 15:07		
Barium	19.8	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ2V1AC
		Dilution Factor: 1		Analysis Time...: 15:07		
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/20-11/21/01	ENQ2V1AG
		Dilution Factor: 1		Analysis Time...: 15:07		
Chromium	2.0	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ2V1AD
		Dilution Factor: 1		Analysis Time...: 15:07		
Lead	2.3	0.80	mg/kg	SW846 6010B	11/20-11/21/01	ENQ2V1AH
		Dilution Factor: 1		Analysis Time...: 15:07		
Selenium	ND	1.3	mg/kg	SW846 6010B	11/20-11/21/01	ENQ2V1AJ
		Dilution Factor: 1		Analysis Time...: 15:07		

CAMERON-COLE LLC

Client Sample ID: B-54-4

TOTAL Metals

Lot-Sample #....: D1K120137-013

Matrix.....: SOLID

Date Sampled...: 11/07/01 07:40 Date Received...: 11/10/01

% Moisture.....: 9.0

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1317293						
Mercury	0.11	0.033	mg/kg	SW846 7471A	11/16/01	ENQ3J1AK
		Dilution Factor: 1		Analysis Time...: 21:46		
Prep Batch #....: 1319456						
Silver	3.1	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ3J1AE
		Dilution Factor: 1		Analysis Time...: 15:11		
Arsenic	39.6	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ3J1AF
		Dilution Factor: 1		Analysis Time...: 15:11		
Barium	511	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ3J1AC
		Dilution Factor: 1		Analysis Time...: 15:11		
Cadmium	4.3	2.5	mg/kg	SW846 6010B	11/20-11/27/01	ENQ3J1AG
		Dilution Factor: 5		Analysis Time...: 11:07		
Chromium	207	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ3J1AD
		Dilution Factor: 1		Analysis Time...: 15:11		
Lead	549	4.0	mg/kg	SW846 6010B	11/20-11/27/01	ENQ3J1AH
		Dilution Factor: 5		Analysis Time...: 11:07		
Selenium	ND	1.3	mg/kg	SW846 6010B	11/20-11/21/01	ENQ3J1AJ
		Dilution Factor: 1		Analysis Time...: 15:11		

CAMERON-COLE LLC

Client Sample ID: B-54-17

TOTAL Metals

Lot-Sample #....: D1K120137-014

Matrix.....: SOLID

Date Sampled...: 11/07/01 08:00 Date Received...: 11/10/01

% Moisture.....: 8.6

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1317293						
Mercury	ND	0.033	mg/kg	SW846 7471A	11/16/01	ENQ3W1AK
		Dilution Factor: 1		Analysis Time...: 21:48		
Prep Batch #....: 1319456						
Silver	ND	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ3W1AE
		Dilution Factor: 1		Analysis Time...: 15:15		
Arsenic	2.9	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ3W1AF
		Dilution Factor: 1		Analysis Time...: 15:15		
Barium	67.3	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ3W1AC
		Dilution Factor: 1		Analysis Time...: 15:15		
Cadmium	0.72	0.50	mg/kg	SW846 6010B	11/20-11/21/01	ENQ3W1AG
		Dilution Factor: 1		Analysis Time...: 15:15		
Chromium	22.1	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ3W1AD
		Dilution Factor: 1		Analysis Time...: 15:15		
Lead	44.2	0.80	mg/kg	SW846 6010B	11/20-11/21/01	ENQ3W1AH
		Dilution Factor: 1		Analysis Time...: 15:15		
Selenium	ND	1.3	mg/kg	SW846 6010B	11/20-11/21/01	ENQ3W1AJ
		Dilution Factor: 1		Analysis Time...: 15:15		

CAMERON-COLE LLC

Client Sample ID: B-62-0.5

TOTAL Metals

Lot-Sample #...: D1K120137-017

Matrix.....: SOLID

Date Sampled...: 11/07/01 09:30 Date Received...: 11/10/01

% Moisture.....: 7.4

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1317293						
Mercury	0.046	0.033	mg/kg	SW846 7471A	11/16/01	ENQ4C1AK
		Dilution Factor: 1		Analysis Time...: 21:50		
Prep Batch #...: 1319456						
Silver	ND	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ4C1AE
		Dilution Factor: 1		Analysis Time...: 15:28		
Arsenic	6.8	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ4C1AF
		Dilution Factor: 1		Analysis Time...: 15:28		
Barium	456	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ4C1AC
		Dilution Factor: 1		Analysis Time...: 15:28		
Cadmium	21.8	0.50	mg/kg	SW846 6010B	11/20-11/21/01	ENQ4C1AG
		Dilution Factor: 1		Analysis Time...: 15:28		
Chromium	47.2	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ4C1AD
		Dilution Factor: 1		Analysis Time...: 15:28		
Lead	142	0.80	mg/kg	SW846 6010B	11/20-11/21/01	ENQ4C1AH
		Dilution Factor: 1		Analysis Time...: 15:28		
Selenium	ND	1.3	mg/kg	SW846 6010B	11/20-11/21/01	ENQ4C1AJ
		Dilution Factor: 1		Analysis Time...: 15:28		

CAMERON-COLE LLC

Client Sample ID: B-62-5

TOTAL Metals

Lot-Sample #....: D1K120137-018

Matrix.....: SOLID

Date Sampled....: 11/07/01 09:35 Date Received...: 11/10/01

% Moisture.....: 17

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1317293						
Mercury	ND	0.033	mg/kg	SW846 7471A	11/16/01	ENQ4F1AK
		Dilution Factor: 1		Analysis Time...: 21:51		
Prep Batch #....: 1319456						
Silver	ND	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ4F1AE
		Dilution Factor: 1		Analysis Time...: 15:32		
Arsenic	5.4	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ4F1AF
		Dilution Factor: 1		Analysis Time...: 15:32		
Barium	201	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ4F1AC
		Dilution Factor: 1		Analysis Time...: 15:32		
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/20-11/21/01	ENQ4F1AG
		Dilution Factor: 1		Analysis Time...: 15:32		
Chromium	28.8	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ4F1AD
		Dilution Factor: 1		Analysis Time...: 15:32		
Lead	12.3	0.80	mg/kg	SW846 6010B	11/20-11/21/01	ENQ4F1AH
		Dilution Factor: 1		Analysis Time...: 15:32		
Selenium	ND	1.3	mg/kg	SW846 6010B	11/20-11/21/01	ENQ4F1AJ
		Dilution Factor: 1		Analysis Time...: 15:32		

CAMERON-COLE LLC

Client Sample ID: B-62-17

TOTAL Metals

Lot-Sample #....: D1K120137-019

Matrix.....: SOLID

Date Sampled...: 11/07/01 09:55 Date Received...: 11/10/01

% Moisture.....: 8.2

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1317293						
Mercury	ND	0.033	mg/kg	SW846 7471A	11/16/01	ENQ4H1AK
		Dilution Factor: 1		Analysis Time...: 21:53		
Prep Batch #....: 1319456						
Silver	ND	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ4H1AE
		Dilution Factor: 1		Analysis Time...: 15:36		
Arsenic	2.2	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ4H1AF
		Dilution Factor: 1		Analysis Time...: 15:36		
Barium	43.2	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ4H1AC
		Dilution Factor: 1		Analysis Time...: 15:36		
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/20-11/21/01	ENQ4H1AH
		Dilution Factor: 1		Analysis Time...: 15:36		
Chromium	11.8	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ4H1AD
		Dilution Factor: 1		Analysis Time...: 15:36		
Lead	8.0	0.80	mg/kg	SW846 6010B	11/20-11/21/01	ENQ4H1AH
		Dilution Factor: 1		Analysis Time...: 15:36		
Selenium	ND	1.3	mg/kg	SW846 6010B	11/20-11/21/01	ENQ4H1AJ
		Dilution Factor: 1		Analysis Time...: 15:36		

CAMERON-COLE LLC

Client Sample ID: B-61-0.5

TOTAL Metals

Lot-Sample #....: D1K120137-020

Matrix.....: SOLID

Date Sampled....: 11/07/01 10:12 Date Received...: 11/10/01

% Moisture.....: 5.3

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1317293						
Mercury	0.12	0.033	mg/kg	SW846 7471A	11/16/01	ENQ4M1AK
		Dilution Factor: 1		Analysis Time...: 21:55		
Prep Batch #....: 1319456						
Silver	ND	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ4M1AE
		Dilution Factor: 1		Analysis Time...: 15:40		
Arsenic	10.1	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ4M1AF
		Dilution Factor: 1		Analysis Time...: 15:40		
Barium	310	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ4M1AC
		Dilution Factor: 1		Analysis Time...: 15:40		
Cadmium	4.6	0.50	mg/kg	SW846 6010B	11/20-11/21/01	ENQ4M1AG
		Dilution Factor: 1		Analysis Time...: 15:40		
Chromium	65.8	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ4M1AD
		Dilution Factor: 1		Analysis Time...: 15:40		
Lead	542	0.80	mg/kg	SW846 6010B	11/20-11/21/01	ENQ4M1AH
		Dilution Factor: 1		Analysis Time...: 15:40		
Selenium	ND	1.3	mg/kg	SW846 6010B	11/20-11/21/01	ENQ4M1AJ
		Dilution Factor: 1		Analysis Time...: 15:40		

CAMERON-COLE LLC

Client Sample ID: B-61-4

TOTAL Metals

Lot-Sample #....: D1K120137-021

Matrix.....: SOLID

Date Sampled....: 11/07/01 10:12 Date Received...: 11/10/01

% Moisture.....: 9.2

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1317293						
Mercury	0.41	0.033	mg/kg	SW846 7471A	11/16/01	ENQ5R1AK
		Dilution Factor: 1		Analysis Time...: 22:00		
Prep Batch #....: 1319456						
Silver	ND	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ5R1AE
		Dilution Factor: 1		Analysis Time...: 15:44		
Arsenic	6.1	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ5R1AF
		Dilution Factor: 1		Analysis Time...: 15:44		
Barium	347	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ5R1AC
		Dilution Factor: 1		Analysis Time...: 15:44		
Cadmium	6.7	0.50	mg/kg	SW846 6010B	11/20-11/21/01	ENQ5R1AG
		Dilution Factor: 1		Analysis Time...: 15:44		
Chromium	33.6	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ5R1AD
		Dilution Factor: 1		Analysis Time...: 15:44		
Lead	219	0.80	mg/kg	SW846 6010B	11/20-11/21/01	ENQ5R1AH
		Dilution Factor: 1		Analysis Time...: 15:44		
Selenium	ND	1.3	mg/kg	SW846 6010B	11/20-11/21/01	ENQ5R1AJ
		Dilution Factor: 1		Analysis Time...: 15:44		

CAMERON-COLE LLC

Client Sample ID: B-61-18

TOTAL Metals

Lot-Sample #...: D1K120137-022

Matrix.....: SOLID

Date Sampled...: 11/07/01 10:40 Date Received...: 11/10/01

% Moisture.....: 6.3

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1317293						
Mercury	ND	0.033	mg/kg	SW846 7471A	11/16/01	ENQ511AK
		Dilution Factor: 1		Analysis Time...: 22:01		
Prep Batch #...: 1319456						
Silver	ND	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ511AE
		Dilution Factor: 1		Analysis Time...: 15:49		
Arsenic	1.2	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ511AF
		Dilution Factor: 1		Analysis Time...: 15:49		
Barium	15.4	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ511AC
		Dilution Factor: 1		Analysis Time...: 15:49		
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/20-11/21/01	ENQ511AG
		Dilution Factor: 1		Analysis Time...: 15:49		
Chromium	1.1	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ511AD
		Dilution Factor: 1		Analysis Time...: 15:49		
Lead	1.8	0.80	mg/kg	SW846 6010B	11/20-11/21/01	ENQ511AH
		Dilution Factor: 1		Analysis Time...: 15:49		
Selenium	ND	1.3	mg/kg	SW846 6010B	11/20-11/21/01	ENQ511AJ
		Dilution Factor: 1		Analysis Time...: 15:49		

CAMERON-COLE LLC

Client Sample ID: B-70-0.5

TOTAL Metals

Lot-Sample #....: D1K120137-023

Matrix.....: SOLID

Date Sampled....: 11/07/01 11:30 Date Received...: 11/10/01

% Moisture.....: 3.5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1317293						
Mercury	0.31	0.033	mg/kg	SW846 7471A	11/16/01	ENQ541AL
		Dilution Factor: 1		Analysis Time...: 22:03		
Prep Batch #....: 1319456						
Silver	ND	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ541AF
		Dilution Factor: 1		Analysis Time...: 15:53		
Arsenic	8.4	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ541AG
		Dilution Factor: 1		Analysis Time...: 15:53		
Barium	168	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ541AD
		Dilution Factor: 1		Analysis Time...: 15:53		
Cadmium	3.0	0.50	mg/kg	SW846 6010B	11/20-11/21/01	ENQ541AH
		Dilution Factor: 1		Analysis Time...: 15:53		
Chromium	44.7	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ541AE
		Dilution Factor: 1		Analysis Time...: 15:53		
Lead	105	0.80	mg/kg	SW846 6010B	11/20-11/21/01	ENQ541AJ
		Dilution Factor: 1		Analysis Time...: 15:53		
Selenium	ND	1.3	mg/kg	SW846 6010B	11/20-11/21/01	ENQ541AK
		Dilution Factor: 1		Analysis Time...: 15:53		

CAMERON-COLE LLC

Client Sample ID: B-70-8

TOTAL Metals

Lot-Sample #....: D1K120137-024

Matrix.....: SOLID

Date Sampled....: 11/07/01 11:05 Date Received...: 11/10/01

% Moisture.....: 19

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1317293						
Mercury	0.035	0.033	mg/kg	SW846 7471A	11/16/01	ENQ591AK
		Dilution Factor: 1		Analysis Time...: 22:04		
Prep Batch #....: 1319456						
Silver	ND	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ591AE
		Dilution Factor: 1		Analysis Time...: 15:57		
Arsenic	4.9	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ591AF
		Dilution Factor: 1		Analysis Time...: 15:57		
Barium	192	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ591AC
		Dilution Factor: 1		Analysis Time...: 15:57		
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/20-11/21/01	ENQ591AG
		Dilution Factor: 1		Analysis Time...: 15:57		
Chromium	18.6	1.0	mg/kg	SW846 6010B	11/20-11/21/01	ENQ591AD
		Dilution Factor: 1		Analysis Time...: 15:57		
Lead	26.3	0.80	mg/kg	SW846 6010B	11/20-11/21/01	ENQ591AH
		Dilution Factor: 1		Analysis Time...: 15:57		
Selenium	ND	1.3	mg/kg	SW846 6010B	11/20-11/21/01	ENQ591AJ
		Dilution Factor: 1		Analysis Time...: 15:57		

QC DATA ASSOCIATION SUMMARY

D1K120137

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	SW846 8260B		1325469	1325235
	SOLID	MCAWW 160.3 MOD		1330596	1330292
002	SOLID	SW846 8260B		1325469	1325235
	SOLID	MCAWW 160.3 MOD		1330596	1330292
003	WATER	SW846 8260B		1324476	1324235
004	SOLID	SW846 8260B		1325469	1325235
	SOLID	SW846 8270C		1325202	1325071
	SOLID	MCAWW 160.3 MOD		1330596	1330292
005	SOLID	SW846 8260B		1325469	1325235
	SOLID	SW846 8270C		1325202	1325071
	SOLID	MCAWW 160.3 MOD		1330596	1330292
006	WATER	SW846 8260B		1324476	1324235
007	SOLID	SW846 8260B		1325469	1325235
	SOLID	SW846 8270C		1325202	1325071
	SOLID	MCAWW 160.3 MOD		1330596	1330292
008	SOLID	SW846 8260B		1325469	1325235
	SOLID	SW846 8270C		1325202	1325071
	SOLID	MCAWW 160.3 MOD		1331243	1331104
009	WATER	SW846 8260B		1324476	1324235
010	SOLID	SW846 7471A		1317293	1317165
	SOLID	SW846 8260B		1325469	1325235
	SOLID	SW846 6010B		1319456	1319222
	SOLID	MCAWW 160.3 MOD		1331243	1331104
011	SOLID	SW846 7471A		1317293	1317165
	SOLID	SW846 8260B		1325469	1325235
	SOLID	SW846 6010B		1319456	1319222
	SOLID	MCAWW 160.3 MOD		1331243	1331104
012	SOLID	SW846 7471A		1317293	1317165
	SOLID	SW846 8260B		1325469	1325235
	SOLID	SW846 6010B		1319456	1319222
	SOLID	MCAWW 160.3 MOD		1331243	1331104

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QC DATA ASSOCIATION SUMMARY

D1K120137

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
013	SOLID	SW846 7471A		1317293	1317165
	SOLID	SW846 8260B		1322127	1322029
	SOLID	SW846 6010B		1319456	1319222
	SOLID	MCAWW 160.3 MOD		1331243	1331104
014	SOLID	SW846 7471A		1317293	1317165
	SOLID	SW846 8260B		1322127	1322029
	SOLID	SW846 6010B		1319456	1319222
	SOLID	MCAWW 160.3 MOD		1331243	1331104
015	SOLID	SW846 8260B		1325441	1325216
	SOLID	MCAWW 160.3 MOD		1331243	1331104
016	SOLID	SW846 8260B		1322127	1322029
	SOLID	MCAWW 160.3 MOD		1331243	1331104
017	SOLID	SW846 7471A		1317293	1317165
	SOLID	SW846 8260B		1322127	1322029
	SOLID	SW846 6010B		1319456	1319222
	SOLID	MCAWW 160.3 MOD		1331243	1331104
018	SOLID	SW846 7471A		1317293	1317165
	SOLID	SW846 8260B		1322127	1322029
	SOLID	SW846 6010B		1319456	1319222
	SOLID	MCAWW 160.3 MOD		1331243	1331104
019	SOLID	SW846 7471A		1317293	1317165
	SOLID	SW846 8260B		1325441	1325216
	SOLID	SW846 6010B		1319456	1319222
	SOLID	MCAWW 160.3 MOD		1331243	1331104
020	SOLID	SW846 7471A		1317293	1317165
	SOLID	SW846 8260B		1325441	1325216
	SOLID	SW846 6010B		1319456	1319222
	SOLID	MCAWW 160.3 MOD		1331243	1331104
021	SOLID	SW846 7471A		1317293	1317165
	SOLID	SW846 8260B		1325441	1325216
	SOLID	SW846 6010B		1319456	1319222
	SOLID	MCAWW 160.3 MOD		1331243	1331104
022	SOLID	SW846 7471A		1317293	1317165
	SOLID	SW846 8260B		1325469	1325235
	SOLID	SW846 6010B		1319456	1319222

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

D1K120137

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
	SOLID	MCAWW 160.3 MOD		1331243	1331104
023	SOLID	SW846 7471A		1317293	1317165
	SOLID	SW846 6010B		1319456	1319222
	SOLID	MCAWW 160.3 MOD		1331243	1331104
024	SOLID	SW846 7471A		1317293	1317165
	SOLID	SW846 8260B		1325469	1325235
	SOLID	SW846 6010B		1319456	1319222
	SOLID	MCAWW 160.3 MOD		1331243	1331104

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K120137 Work Order #....: EPE4M1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: D1K210000-469 EPE4M1AD-LCSD
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1325469 Analysis Time...: 11:17
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	97	(78 - 118)			SW846 8260B
	99	(78 - 118)	2.3	(0-25)	SW846 8260B
Benzene	106	(79 - 121)			SW846 8260B
	110	(79 - 121)	3.3	(0-25)	SW846 8260B
Chlorobenzene	89	(76 - 116)			SW846 8260B
	90	(76 - 116)	1.8	(0-25)	SW846 8260B
Toluene	89	(76 - 116)			SW846 8260B
	92	(76 - 116)	2.9	(0-25)	SW846 8260B
Trichloroethene	101	(83 - 123)			SW846 8260B
	108	(83 - 123)	6.9	(0-25)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(80 - 120)
	112	(80 - 120)
1,2-Dichloroethane-d4	103	(79 - 125)
	104	(79 - 125)
4-Bromofluorobenzene	102	(71 - 132)
	101	(71 - 132)
Toluene-d8	94	(77 - 117)
	95	(77 - 117)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D1K120137 Work Order #...: EPE4M1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: D1K210000-469 EPE4M1AD-LCSD
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #...: 1325469 Analysis Time...: 11:17
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	50.0	48.5	ug/kg	97		SW846 8260B
	50.0	49.7	ug/kg	99	2.3	SW846 8260B
Benzene	50.0	53.1	ug/kg	106		SW846 8260B
	50.0	54.9	ug/kg	110	3.3	SW846 8260B
Chlorobenzene	50.0	44.3	ug/kg	89		SW846 8260B
	50.0	45.1	ug/kg	90	1.8	SW846 8260B
Toluene	50.0	44.5	ug/kg	89		SW846 8260B
	50.0	45.9	ug/kg	92	2.9	SW846 8260B
Trichloroethene	50.0	50.3	ug/kg	101		SW846 8260B
	50.0	53.9	ug/kg	108	6.9	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(80 - 120)
	112	(80 - 120)
1,2-Dichloroethane-d4	103	(79 - 125)
	104	(79 - 125)
4-Bromofluorobenzene	102	(71 - 132)
	101	(71 - 132)
Toluene-d8	94	(77 - 117)
	95	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K120137 Work Order #....: EPCJA1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: D1K200000-476 EPCJA1AD-LCSD
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324476 Analysis Time...: 09:59
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	94	(79 - 119)			SW846 8260B
	91	(79 - 119)	3.3	(0-20)	SW846 8260B
Benzene	100	(79 - 119)			SW846 8260B
	96	(79 - 119)	3.3	(0-20)	SW846 8260B
Chlorobenzene	93	(76 - 116)			SW846 8260B
	95	(76 - 116)	2.6	(0-20)	SW846 8260B
Toluene	89	(75 - 122)			SW846 8260B
	90	(75 - 122)	2.0	(0-20)	SW846 8260B
Trichloroethene	100	(81 - 121)			SW846 8260B
	97	(81 - 121)	2.8	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(80 - 120)
	98	(80 - 120)
1,2-Dichloroethane-d4	101	(72 - 127)
	95	(72 - 127)
4-Bromofluorobenzene	101	(79 - 119)
	107	(79 - 119)
Toluene-d8	96	(79 - 119)
	99	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K120137 Work Order #....: EPCJA1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: D1K200000-476 EPCJA1AD-LCSD
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324476 Analysis Time...: 09:59
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	9.37	ug/L	94		SW846 8260B
	10.0	9.07	ug/L	91	3.3	SW846 8260B
Benzene	10.0	9.98	ug/L	100		SW846 8260B
	10.0	9.65	ug/L	96	3.3	SW846 8260B
Chlorobenzene	10.0	9.30	ug/L	93		SW846 8260B
	10.0	9.54	ug/L	95	2.6	SW846 8260B
Toluene	10.0	8.86	ug/L	89		SW846 8260B
	10.0	9.03	ug/L	90	2.0	SW846 8260B
Trichloroethene	10.0	10.0	ug/L	100		SW846 8260B
	10.0	9.73	ug/L	97	2.8	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(80 - 120)
	98	(80 - 120)
1,2-Dichloroethane-d4	101	(72 - 127)
	95	(72 - 127)
4-Bromofluorobenzene	101	(79 - 119)
	107	(79 - 119)
Toluene-d8	96	(79 - 119)
	99	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D1K120137 Work Order #...: EN7521AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: D1K180000-127 EN7521AD-LCSD
 Prep Date.....: 11/17/01 Analysis Date...: 11/17/01
 Prep Batch #...: 1322127 Analysis Time...: 18:04
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	101	(79 - 121)			SW846 8260B
	108	(79 - 121)	6.3	(0-25)	SW846 8260B
Chlorobenzene	86	(76 - 116)			SW846 8260B
	94	(76 - 116)	8.6	(0-25)	SW846 8260B
Toluene	86	(76 - 116)			SW846 8260B
	92	(76 - 116)	6.8	(0-25)	SW846 8260B
Trichloroethene	100	(83 - 123)			SW846 8260B
	105	(83 - 123)	4.8	(0-25)	SW846 8260B
1,1-Dichloroethene	98	(78 - 118)			SW846 8260B
	103	(78 - 118)	4.6	(0-25)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(80 - 120)
	110	(80 - 120)
1,2-Dichloroethane-d4	93	(79 - 125)
	98	(79 - 125)
4-Bromofluorobenzene	101	(71 - 132)
	104	(71 - 132)
Toluene-d8	91	(77 - 117)
	99	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D1K120137 Work Order #...: EN7521AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: D1K180000-127 EN7521AD-LCSD
 Prep Date.....: 11/17/01 Analysis Date...: 11/17/01
 Prep Batch #...: 1322127 Analysis Time...: 18:04
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	50.0	50.5	ug/kg	101		SW846 8260B
	50.0	53.8	ug/kg	108	6.3	SW846 8260B
Chlorobenzene	50.0	43.1	ug/kg	86		SW846 8260B
	50.0	47.0	ug/kg	94	8.6	SW846 8260B
Toluene	50.0	43.2	ug/kg	86		SW846 8260B
	50.0	46.2	ug/kg	92	6.8	SW846 8260B
Trichloroethene	50.0	50.2	ug/kg	100		SW846 8260B
	50.0	52.7	ug/kg	105	4.8	SW846 8260B
1,1-Dichloroethene	50.0	49.1	ug/kg	98		SW846 8260B
	50.0	51.4	ug/kg	103	4.6	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(80 - 120)
	110	(80 - 120)
1,2-Dichloroethane-d4	93	(79 - 125)
	98	(79 - 125)
4-Bromofluorobenzene	101	(71 - 132)
	104	(71 - 132)
Toluene-d8	91	(77 - 117)
	99	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D1K120137 Work Order #....: EPEXF1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: D1K210000-441 EPEXF1AD-LCSD
 Prep Date.....: 11/18/01 Analysis Date...: 11/18/01
 Prep Batch #...: 1325441 Analysis Time...: 11:13
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	99	(78 - 118)			SW846 8260B
	106	(78 - 118)	7.2	(0-25)	SW846 8260B
Benzene	106	(79 - 121)			SW846 8260B
	116	(79 - 121)	9.4	(0-25)	SW846 8260B
Chlorobenzene	89	(76 - 116)			SW846 8260B
	96	(76 - 116)	7.6	(0-25)	SW846 8260B
Toluene	91	(76 - 116)			SW846 8260B
	100	(76 - 116)	9.3	(0-25)	SW846 8260B
Trichloroethene	103	(83 - 123)			SW846 8260B
	114	(83 - 123)	10	(0-25)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(80 - 120)
	116	(80 - 120)
1,2-Dichloroethane-d4	102	(79 - 125)
	113	(79 - 125)
4-Bromofluorobenzene	99	(71 - 132)
	108	(71 - 132)
Toluene-d8	92	(77 - 117)
	101	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K120137 Work Order #....: EPEXF1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: D1K210000-441 EPEXF1AD-LCSD
 Prep Date.....: 11/18/01 Analysis Date...: 11/18/01
 Prep Batch #....: 1325441 Analysis Time...: 11:13
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	50.0	49.4	ug/kg	99		SW846 8260B
	50.0	53.1	ug/kg	106	7.2	SW846 8260B
Benzene	50.0	52.8	ug/kg	106		SW846 8260B
	50.0	58.0	ug/kg	116	9.4	SW846 8260B
Chlorobenzene	50.0	44.5	ug/kg	89		SW846 8260B
	50.0	48.0	ug/kg	96	7.6	SW846 8260B
Toluene	50.0	45.4	ug/kg	91		SW846 8260B
	50.0	49.8	ug/kg	100	9.3	SW846 8260B
Trichloroethene	50.0	51.4	ug/kg	103		SW846 8260B
	50.0	56.9	ug/kg	114	10	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(80 - 120)
	116	(80 - 120)
1,2-Dichloroethane-d4	102	(79 - 125)
	113	(79 - 125)
4-Bromofluorobenzene	99	(71 - 132)
	108	(71 - 132)
Toluene-d8	92	(77 - 117)
	101	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K120137
MB Lot-Sample #: D1K210000-469

Work Order #....: EPE4M1AA

Matrix.....: SOLID

Analysis Date...: 11/19/01
Dilution Factor: 1

Prep Date.....: 11/19/01

Analysis Time...: 12:10

Prep Batch #....: 1325469

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Chlorodibromomethane	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Chloroform	ND	10	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
Dibromomethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	2.5	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	2.5	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,3-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
Naphthalene	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	5.0	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K120137

Work Order #....: EPE4M1AA

Matrix.....: SOLID

		REPORTING		
<u>PARAMETER</u>	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trichloro- benzene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
Vinyl chloride	ND	5.0	ug/kg	SW846 8260B
o-Xylene	ND	2.5	ug/kg	SW846 8260B
m-Xylene & p-Xylene	ND	2.5	ug/kg	SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	SW846 8260B
		PERCENT	RECOVERY	
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>		
Dibromofluoromethane	111	(80 - 120)		
1,2-Dichloroethane-d4	105	(79 - 125)		
4-Bromofluorobenzene	101	(71 - 132)		
Toluene-d8	96	(77 - 117)		

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D1K120137
MB Lot-Sample #: D1K200000-476

Work Order #...: EPCJA1AA

Matrix.....: WATER

Analysis Date...: 11/19/01
Dilution Factor: 1

Prep Date.....: 11/19/01

Analysis Time...: 10:49

Prep Batch #...: 1324476

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
Benzene	ND	1.0	ug/L		SW846 8260B
Bromodichloromethane	ND	1.0	ug/L		SW846 8260B
Bromoform	ND	1.0	ug/L		SW846 8260B
Bromomethane	ND	2.0	ug/L		SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L		SW846 8260B
Chlorobenzene	ND	1.0	ug/L		SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L		SW846 8260B
Chloroethane	ND	2.0	ug/L		SW846 8260B
Chloroform	ND	1.0	ug/L		SW846 8260B
Chloromethane	ND	2.0	ug/L		SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L		SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L		SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L		SW846 8260B
trans-1,2-Dichloroethene	ND	0.50	ug/L		SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L		SW846 8260B
Ethylbenzene	ND	1.0	ug/L		SW846 8260B
Methylene chloride	ND	1.0	ug/L		SW846 8260B
Styrene	ND	1.0	ug/L		SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L		SW846 8260B
Tetrachloroethene	ND	1.0	ug/L		SW846 8260B
Toluene	ND	1.0	ug/L		SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L		SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L		SW846 8260B
Trichloroethene	ND	1.0	ug/L		SW846 8260B
Vinyl chloride	ND	1.0	ug/L		SW846 8260B
Bromochloromethane	ND	1.0	ug/L		SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L		SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L		SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L		SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L		SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L		SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L		SW846 8260B
Isopropylbenzene	ND	1.0	ug/L		SW846 8260B
1,2,4-Trichloro- benzene	ND	1.0	ug/L		SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L		SW846 8260B
o-Xylene	ND	1.0	ug/L		SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L		SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L		SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L		SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K120137

Work Order #....: EPCJA1AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		METHOD
		LIMIT	UNITS	
Bromobenzene	ND	1.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Naphthalene	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Dibromofluoromethane	99	(80 - 120)
1,2-Dichloroethane-d4	97	(72 - 127)
4-Bromofluorobenzene	104	(79 - 119)
Toluene-d8	97	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K120137
 MB Lot-Sample #: D1K180000-127
 Analysis Date...: 11/17/01
 Dilution Factor: 1

Work Order #....: EN7521AA
 Prep Date.....: 11/17/01
 Prep Batch #....: 1322127

Matrix.....: SOLID
 Analysis Time...: 18:54

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
Benzene	ND	5.0	ug/kg	SW846	8260B
Bromobenzene	ND	5.0	ug/kg	SW846	8260B
Bromochloromethane	ND	5.0	ug/kg	SW846	8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846	8260B
Bromoform	ND	5.0	ug/kg	SW846	8260B
Bromomethane	ND	10	ug/kg	SW846	8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846	8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846	8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846	8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846	8260B
Chlorobenzene	ND	5.0	ug/kg	SW846	8260B
Chlorodibromomethane	ND	5.0	ug/kg	SW846	8260B
Chloroethane	ND	10	ug/kg	SW846	8260B
Chloroform	ND	10	ug/kg	SW846	8260B
Chloromethane	ND	10	ug/kg	SW846	8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846	8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846	8260B
Dibromomethane	ND	5.0	ug/kg	SW846	8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846	8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846	8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846	8260B
Dichlorodifluoromethane	ND	10	ug/kg	SW846	8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846	8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846	8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846	8260B
cis-1,2-Dichloroethene	ND	2.5	ug/kg	SW846	8260B
trans-1,2-Dichloroethene	ND	2.5	ug/kg	SW846	8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846	8260B
1,3-Dichloropropane	ND	5.0	ug/kg	SW846	8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846	8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846	8260B
Ethylbenzene	ND	5.0	ug/kg	SW846	8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846	8260B
Hexachlorobutadiene	ND	5.0	ug/kg	SW846	8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846	8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846	8260B
Methylene chloride	ND	5.0	ug/kg	SW846	8260B
Naphthalene	ND	5.0	ug/kg	SW846	8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846	8260B
Styrene	ND	5.0	ug/kg	SW846	8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846	8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K120137

Work Order #....: EN7521AA

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg		SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg		SW846 8260B
Toluene	ND	5.0	ug/kg		SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg		SW846 8260B
1,2,4-Trichloro- benzene	ND	5.0	ug/kg		SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg		SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg		SW846 8260B
Trichloroethene	ND	5.0	ug/kg		SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg		SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg		SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg		SW846 8260B
Vinyl chloride	ND	5.0	ug/kg		SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	10	ug/kg		SW846 8260B
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg		SW846 8260B
o-Xylene	ND	2.5	ug/kg		SW846 8260B
m-Xylene & p-Xylene	ND	2.5	ug/kg		SW846 8260B
SURROGATE	PERCENT		RECOVERY		
	RECOVERY		LIMITS		
Dibromofluoromethane	112		(80 - 120)		
1,2-Dichloroethane-d4	103		(79 - 125)		
4-Bromofluorobenzene	106		(71 - 132)		
Toluene-d8	102		(77 - 117)		

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K120137
MB Lot-Sample #: D1K210000-441

Work Order #....: EPEXF1AA

Matrix.....: SOLID

Analysis Date...: 11/18/01
Dilution Factor: 1

Prep Date.....: 11/18/01

Analysis Time...: 12:03

Prep Batch #....: 1325441

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Chlorodibromomethane	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Chloroform	ND	10	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
Dibromomethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	2.5	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	2.5	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,3-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
Naphthalene	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	5.0	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K120137

Work Order #....: EPEXF1AA

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING		METHOD
		LIMIT	UNITS	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trichloro- benzene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
Vinyl chloride	ND	5.0	ug/kg	SW846 8260B
o-Xylene	ND	2.5	ug/kg	SW846 8260B
m-Xylene & p-Xylene	ND	2.5	ug/kg	SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	SW846 8260B
SURROGATE	PERCENT		RECOVERY	
	RECOVERY		LIMITS	
Dibromofluoromethane	105		(80 - 120)	
1,2-Dichloroethane-d4	101		(79 - 125)	
4-Bromofluorobenzene	102		(71 - 132)	
Toluene-d8	95		(77 - 117)	

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K120137 Work Order #....: ENQ511AN-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K120137-022 ENQ511AP-MSD
 Date Sampled....: 11/07/01 10:40 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1325469 Analysis Time...: 13:11
 Dilution Factor: 1 % Moisture.....: 6.3

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	93	(78 - 118)			SW846 8260B
	101	(78 - 118)	8.6	(0-25)	SW846 8260B
Benzene	99	(79 - 121)			SW846 8260B
	109	(79 - 121)	9.9	(0-25)	SW846 8260B
Chlorobenzene	80	(76 - 116)			SW846 8260B
	87	(76 - 116)	8.8	(0-25)	SW846 8260B
Toluene	80	(76 - 116)			SW846 8260B
	89	(76 - 116)	10	(0-25)	SW846 8260B
Trichloroethene	96	(83 - 123)			SW846 8260B
	108	(83 - 123)	12	(0-25)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(80 - 120)
	113	(80 - 120)
1,2-Dichloroethane-d4	102	(79 - 125)
	109	(79 - 125)
4-Bromofluorobenzene	96	(71 - 132)
	101	(71 - 132)
Toluene-d8	88	(77 - 117)
	94	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K120137 Work Order #....: ENQ511AN-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K120137-022 ENQ511AP-MSD
 Date Sampled....: 11/07/01 10:40 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1325469 Analysis Time...: 13:11
 Dilution Factor: 1 % Moisture.....: 6.3

PARAMETER	SAMPLE SPIKE MEASRD				PERCENT		
	AMOUNT	AMT	AMOUNT	UNITS	RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	50.0	46.3	ug/kg	93		SW846 8260B
	ND	50.0	50.5	ug/kg	101	8.6	SW846 8260B
Benzene	ND	50.0	49.3	ug/kg	99		SW846 8260B
	ND	50.0	54.5	ug/kg	109	9.9	SW846 8260B
Chlorobenzene	ND	50.0	40.0	ug/kg	80		SW846 8260B
	ND	50.0	43.6	ug/kg	87	8.8	SW846 8260B
Toluene	ND	50.0	40.2	ug/kg	80		SW846 8260B
	ND	50.0	44.4	ug/kg	89	10	SW846 8260B
Trichloroethene	ND	50.0	48.1	ug/kg	96		SW846 8260B
	ND	50.0	54.2	ug/kg	108	12	SW846 8260B

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Dibromofluoromethane	106	(80 - 120)
	113	(80 - 120)
1,2-Dichloroethane-d4	102	(79 - 125)
	109	(79 - 125)
4-Bromofluorobenzene	96	(71 - 132)
	101	(71 - 132)
Toluene-d8	88	(77 - 117)
	94	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K120137 Work Order #....: ENP781CC-MS Matrix.....: WATER
 MS Lot-Sample #: D1K100172-013 ENP781CD-MSD
 Date Sampled....: 11/09/01 09:00 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324476 Analysis Time...: 13:40
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	90	(79 - 119)			SW846 8260B
	91	(79 - 119)	1.0	(0-20)	SW846 8260B
Benzene	92	(79 - 119)			SW846 8260B
	95	(79 - 119)	2.9	(0-20)	SW846 8260B
Chlorobenzene	89	(76 - 116)			SW846 8260B
	92	(76 - 116)	3.7	(0-20)	SW846 8260B
Toluene	86	(75 - 122)			SW846 8260B
	89	(75 - 122)	3.9	(0-20)	SW846 8260B
Trichloroethene	98	(81 - 121)			SW846 8260B
	98	(81 - 121)	0.03	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(80 - 120)
	102	(80 - 120)
1,2-Dichloroethane-d4	99	(72 - 127)
	101	(72 - 127)
4-Bromofluorobenzene	102	(79 - 119)
	104	(79 - 119)
Toluene-d8	98	(79 - 119)
	98	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K120137 Work Order #....: ENP781CC-MS Matrix.....: WATER
 MS Lot-Sample #: D1K100172-013 ENP781CD-MSD
 Date Sampled....: 11/09/01 09:00 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324476 Analysis Time...: 13:40
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	10.0	9.02	ug/L	90		SW846 8260B
	ND	10.0	9.11	ug/L	91	1.0	SW846 8260B
Benzene	ND	10.0	9.23	ug/L	92		SW846 8260B
	ND	10.0	9.51	ug/L	95	2.9	SW846 8260B
Chlorobenzene	ND	10.0	8.86	ug/L	89		SW846 8260B
	ND	10.0	9.20	ug/L	92	3.7	SW846 8260B
Toluene	ND	10.0	8.57	ug/L	86		SW846 8260B
	ND	10.0	8.91	ug/L	89	3.9	SW846 8260B
Trichloroethene	ND	10.0	9.78	ug/L	98		SW846 8260B
	ND	10.0	9.78	ug/L	98	0.03	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(80 - 120)
	102	(80 - 120)
1,2-Dichloroethane-d4	99	(72 - 127)
	101	(72 - 127)
4-Bromofluorobenzene	102	(79 - 119)
	104	(79 - 119)
Toluene-d8	98	(79 - 119)
	98	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K120137 Work Order #....: ENP731AN-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K100174-011 ENP731AP-MSD
 Date Sampled....: 11/08/01 14:40 Date Received...: 11/09/01
 Prep Date.....: 11/17/01 Analysis Date...: 11/18/01
 Prep Batch #....: 1322127 Analysis Time...: 01:44
 Dilution Factor: 1 % Moisture.....: 0.0

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	88	(78 - 118)			SW846 8260B
	91	(78 - 118)	3.7	(0-25)	SW846 8260B
Benzene	97	(79 - 121)			SW846 8260B
	102	(79 - 121)	4.7	(0-25)	SW846 8260B
Chlorobenzene	77	(76 - 116)			SW846 8260B
	76	(76 - 116)	0.61	(0-25)	SW846 8260B
Toluene	81	(76 - 116)			SW846 8260B
	83	(76 - 116)	2.7	(0-25)	SW846 8260B
Trichloroethene	90	(83 - 123)			SW846 8260B
	96	(83 - 123)	6.8	(0-25)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	110	(80 - 120)
	114	(80 - 120)
1,2-Dichloroethane-d4	116	(79 - 125)
	119	(79 - 125)
4-Bromofluorobenzene	105	(71 - 132)
	109	(71 - 132)
Toluene-d8	99	(77 - 117)
	98	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K120137 Work Order #....: ENP731AN-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K100174-011 ENP731AP-MSD
 Date Sampled....: 11/08/01 14:40 Date Received...: 11/09/01
 Prep Date.....: 11/17/01 Analysis Date...: 11/18/01
 Prep Batch #....: 1322127 Analysis Time...: 01:44
 Dilution Factor: 1 % Moisture.....: 0.0

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	50.0	43.9	ug/kg	88		SW846 8260B
	ND	50.0	45.6	ug/kg	91	3.7	SW846 8260B
Benzene	ND	50.0	48.6	ug/kg	97		SW846 8260B
	ND	50.0	51.0	ug/kg	102	4.7	SW846 8260B
Chlorobenzene	ND	50.0	38.4	ug/kg	77		SW846 8260B
	ND	50.0	38.2	ug/kg	76	0.61	SW846 8260B
Toluene	ND	50.0	40.3	ug/kg	81		SW846 8260B
	ND	50.0	41.4	ug/kg	83	2.7	SW846 8260B
Trichloroethene	ND	50.0	44.9	ug/kg	90		SW846 8260B
	ND	50.0	48.1	ug/kg	96	6.8	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	110	(80 - 120)
	114	(80 - 120)
1,2-Dichloroethane-d4	116	(79 - 125)
	119	(79 - 125)
4-Bromofluorobenzene	105	(71 - 132)
	109	(71 - 132)
Toluene-d8	99	(77 - 117)
	98	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K120137 Work Order #....: ENQ4H1AN-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K120137-019 ENQ4H1AP-MSD
 Date Sampled....: 11/07/01 09:55 Date Received...: 11/10/01
 Prep Date.....: 11/18/01 Analysis Date...: 11/18/01
 Prep Batch #....: 1325441 Analysis Time...: 13:29
 Dilution Factor: 1 % Moisture.....: 8.2

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	102	(78 - 118)			SW846 8260B
	96	(78 - 118)	5.6	(0-25)	SW846 8260B
Benzene	111	(79 - 121)			SW846 8260B
	105	(79 - 121)	6.1	(0-25)	SW846 8260B
Chlorobenzene	90	(76 - 116)			SW846 8260B
	84	(76 - 116)	7.1	(0-25)	SW846 8260B
Toluene	93	(76 - 116)			SW846 8260B
	85	(76 - 116)	9.5	(0-25)	SW846 8260B
Trichloroethene	108	(83 - 123)			SW846 8260B
	100	(83 - 123)	8.1	(0-25)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(80 - 120)
	104	(80 - 120)
1,2-Dichloroethane-d4	115	(79 - 125)
	106	(79 - 125)
4-Bromofluorobenzene	106	(71 - 132)
	94	(71 - 132)
Toluene-d8	97	(77 - 117)
	88	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K120137 Work Order #....: ENQ4H1AN-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K120137-019 ENQ4H1AP-MSD
 Date Sampled....: 11/07/01 09:55 Date Received...: 11/10/01
 Prep Date.....: 11/18/01 Analysis Date...: 11/18/01
 Prep Batch #....: 1325441 Analysis Time...: 13:29
 Dilution Factor: 1 % Moisture.....: 8.2

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	50.0	50.8	ug/kg	102		SW846 8260B
	ND	50.0	48.0	ug/kg	96	5.6	SW846 8260B
Benzene	ND	50.0	55.6	ug/kg	111		SW846 8260B
	ND	50.0	52.3	ug/kg	105	6.1	SW846 8260B
Chlorobenzene	ND	50.0	45.2	ug/kg	90		SW846 8260B
	ND	50.0	42.1	ug/kg	84	7.1	SW846 8260B
Toluene	ND	50.0	46.6	ug/kg	93		SW846 8260B
	ND	50.0	42.3	ug/kg	85	9.5	SW846 8260B
Trichloroethene	ND	50.0	54.3	ug/kg	108		SW846 8260B
	ND	50.0	50.0	ug/kg	100	8.1	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(80 - 120)
	104	(80 - 120)
1,2-Dichloroethane-d4	115	(79 - 125)
	106	(79 - 125)
4-Bromofluorobenzene	106	(71 - 132)
	94	(71 - 132)
Toluene-d8	97	(77 - 117)
	88	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #....: D1K120137 Work Order #....: EPDK41AC Matrix.....: SOLID
 LCS Lot-Sample#: D1K210000-202
 Prep Date.....: 11/21/01 Analysis Date...: 11/25/01
 Prep Batch #....: 1325202 Analysis Time...: 15:45
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Acenaphthene	71	(49 - 93)	SW846 8270C
Pyrene	74	(48 - 97)	SW846 8270C
4-Chloro-3-methylphenol	73	(52 - 93)	SW846 8270C
2-Chlorophenol	74	(51 - 91)	SW846 8270C
1,4-Dichlorobenzene	67	(46 - 86)	SW846 8270C
2,4-Dinitrotoluene	73	(53 - 105)	SW846 8270C
4-Nitrophenol	68	(29 - 115)	SW846 8270C
N-Nitrosodi-n-propyl- amine	71	(46 - 86)	SW846 8270C
Pentachlorophenol	68	(27 - 97)	SW846 8270C
Phenol	74	(50 - 90)	SW846 8270C
1,2,4-Trichloro- benzene	70	(49 - 90)	SW846 8270C

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorophenol	74	(34 - 97)
Phenol-d5	74	(39 - 90)
Nitrobenzene-d5	73	(33 - 97)
2-Fluorobiphenyl	72	(39 - 91)
2,4,6-Tribromophenol	71	(29 - 95)
Terphenyl-d14	79	(30 - 102)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #....: D1K120137 Work Order #....: EPDK41AC Matrix.....: SOLID
 LCS Lot-Sample#: D1K210000-202
 Prep Date.....: 11/21/01 Analysis Date...: 11/25/01
 Prep Batch #....: 1325202 Analysis Time...: 15:45
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
Acenaphthene	3330	2370	ug/kg	71	SW846 8270C
Pyrene	3330	2460	ug/kg	74	SW846 8270C
4-Chloro-3-methylphenol	5000	3650	ug/kg	73	SW846 8270C
2-Chlorophenol	5000	3720	ug/kg	74	SW846 8270C
1,4-Dichlorobenzene	3330	2240	ug/kg	67	SW846 8270C
2,4-Dinitrotoluene	3330	2430	ug/kg	73	SW846 8270C
4-Nitrophenol	5000	3390	ug/kg	68	SW846 8270C
N-Nitrosodi-n-propyl- amine	3330	2370	ug/kg	71	SW846 8270C
Pentachlorophenol	5000	3400	ug/kg	68	SW846 8270C
Phenol	5000	3680	ug/kg	74	SW846 8270C
1,2,4-Trichloro- benzene	3330	2330	ug/kg	70	SW846 8270C

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorophenol	74	(34 - 97)
Phenol-d5	74	(39 - 90)
Nitrobenzene-d5	73	(33 - 97)
2-Fluorobiphenyl	72	(39 - 91)
2,4,6-Tribromophenol	71	(29 - 95)
Terphenyl-d14	79	(30 - 102)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #....: D1K120137
MB Lot-Sample #: D1K210000-202

Work Order #....: EPDK41AA

Matrix.....: SOLID

Analysis Date...: 11/25/01
Dilution Factor: 1

Prep Date.....: 11/21/01

Analysis Time...: 15:22

Prep Batch #....: 1325202

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Acenaphthene	ND	330	ug/kg	SW846 8270C
Acenaphthylene	ND	330	ug/kg	SW846 8270C
Anthracene	ND	330	ug/kg	SW846 8270C
Benzo (a) anthracene	ND	330	ug/kg	SW846 8270C
Benzo (b) fluoranthene	ND	330	ug/kg	SW846 8270C
Benzo (k) fluoranthene	ND	330	ug/kg	SW846 8270C
Benzo (ghi) perylene	ND	330	ug/kg	SW846 8270C
Benzo (a) pyrene	ND	330	ug/kg	SW846 8270C
Chrysene	ND	330	ug/kg	SW846 8270C
Dibenz (a, h) anthracene	ND	330	ug/kg	SW846 8270C
Fluoranthene	ND	330	ug/kg	SW846 8270C
Fluorene	ND	330	ug/kg	SW846 8270C
Indeno (1, 2, 3-cd) pyrene	ND	330	ug/kg	SW846 8270C
aphthalene	ND	330	ug/kg	SW846 8270C
Phenanthrene	ND	330	ug/kg	SW846 8270C
Pyrene	ND	330	ug/kg	SW846 8270C
bis (2-Ethylhexyl) phthalate	ND	330	ug/kg	SW846 8270C
Dimethyl phthalate	ND	330	ug/kg	SW846 8270C

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
2-Fluorophenol	71	(34 - 97)
Phenol-d5	69	(39 - 90)
Nitrobenzene-d5	70	(33 - 97)
2-Fluorobiphenyl	68	(39 - 91)
2,4,6-Tribromophenol	63	(29 - 95)
Terphenyl-d14	76	(30 - 102)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #....: D1K120137 Work Order #....: ENQ141AP-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K120137-004 ENQ141AQ-MSD
 Date Sampled....: 11/09/01 09:20 Date Received...: 11/10/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/25/01
 Prep Batch #....: 1325202 Analysis Time...: 18:04
 Dilution Factor: 1 % Moisture.....: 18

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	66	(49 - 93)			SW846 8270C
	66	(49 - 93)	0.42	(0-40)	SW846 8270C
Pyrene	64	(48 - 97)			SW846 8270C
	68	(48 - 97)	7.0	(0-40)	SW846 8270C
4-Chloro-3-methylphenol	67	(52 - 93)			SW846 8270C
	68	(52 - 93)	0.72	(0-40)	SW846 8270C
2-Chlorophenol	68	(51 - 91)			SW846 8270C
	69	(51 - 91)	1.6	(0-36)	SW846 8270C
1,4-Dichlorobenzene	62	(46 - 86)			SW846 8270C
	61	(46 - 86)	2.5	(0-40)	SW846 8270C
2,4-Dinitrotoluene	70	(53 - 105)			SW846 8270C
	66	(53 - 105)	5.6	(0-40)	SW846 8270C
4-Nitrophenol	58	(29 - 115)			SW846 8270C
	60	(29 - 115)	3.2	(0-40)	SW846 8270C
N-Nitrosodi-n-propyl- amine	67	(46 - 86)			SW846 8270C
	67	(46 - 86)	0.60	(0-40)	SW846 8270C
Pentachlorophenol	60	(27 - 97)			SW846 8270C
	64	(27 - 97)	6.1	(0-40)	SW846 8270C
Phenol	67	(50 - 90)			SW846 8270C
	67	(50 - 90)	0.48	(0-37)	SW846 8270C
1,2,4-Trichloro- benzene	63	(49 - 90)			SW846 8270C
	63	(49 - 90)	1.2	(0-40)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	68	(34 - 97)
	66	(34 - 97)
Phenol-d5	67	(39 - 90)
	65	(39 - 90)
Nitrobenzene-d5	66	(33 - 97)
	67	(33 - 97)
2-Fluorobiphenyl	65	(39 - 91)
	65	(39 - 91)
2,4,6-Tribromophenol	68	(29 - 95)
	67	(29 - 95)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #....: D1K120137 Work Order #....: ENQ141AP-MS Matrix.....: SOLID
MS Lot-Sample #: D1K120137-004 ENQ141AQ-MSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Terphenyl-d14	66	(30 - 102)
	67	(30 - 102)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #....: D1K120137 Work Order #....: ENQ141AP-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K120137-004 ENQ141AQ-MSD
 Date Sampled...: 11/09/01 09:20 Date Received...: 11/10/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/25/01
 Prep Batch #....: 1325202 Analysis Time...: 18:04
 Dilution Factor: 1 % Moisture.....: 18

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acenaphthene	ND	3330	2210	ug/kg	66		SW846 8270C
	ND	3330	2200	ug/kg	66	0.42	SW846 8270C
Pyrene	ND	3330	2120	ug/kg	64		SW846 8270C
	ND	3330	2280	ug/kg	68	7.0	SW846 8270C
4-Chloro-3-methylphenol	ND	5000	3360	ug/kg	67		SW846 8270C
	ND	5000	3380	ug/kg	68	0.72	SW846 8270C
2-Chlorophenol	ND	5000	3380	ug/kg	68		SW846 8270C
	ND	5000	3440	ug/kg	69	1.6	SW846 8270C
1,4-Dichlorobenzene	ND	3330	2070	ug/kg	62		SW846 8270C
	ND	3330	2020	ug/kg	61	2.5	SW846 8270C
2,4-Dinitrotoluene	ND	3330	2320	ug/kg	70		SW846 8270C
	ND	3330	2190	ug/kg	66	5.6	SW846 8270C
4-Nitrophenol	ND	5000	2920	ug/kg	58		SW846 8270C
	ND	5000	3010	ug/kg	60	3.2	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	3330	2250	ug/kg	67		SW846 8270C
	ND	3330	2240	ug/kg	67	0.60	SW846 8270C
Pentachlorophenol	ND	5000	3010	ug/kg	60		SW846 8270C
	ND	5000	3200	ug/kg	64	6.1	SW846 8270C
Phenol	ND	5000	3330	ug/kg	67		SW846 8270C
	ND	5000	3350	ug/kg	67	0.48	SW846 8270C
1,2,4-Trichloro-benzene	ND	3330	2110	ug/kg	63		SW846 8270C
	ND	3330	2080	ug/kg	63	1.2	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	68	(34 - 97)
	66	(34 - 97)
Phenol-d5	67	(39 - 90)
	65	(39 - 90)
Nitrobenzene-d5	66	(33 - 97)
	67	(33 - 97)
2-Fluorobiphenyl	65	(39 - 91)
	65	(39 - 91)
2,4,6-Tribromophenol	68	(29 - 95)
	67	(29 - 95)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #....: D1K120137 Work Order #....: ENQ141AP-MS Matrix.....: SOLID
MS Lot-Sample #: D1K120137-004 ENQ141AQ-MSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Terphenyl-d14	66	(30 - 102)
	67	(30 - 102)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: D1K120137

Matrix.....: SOLID

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
LCS Lot-Sample#: D1K130000-293 Prep Batch #....: 1317293					
Mercury	95	(82 - 113)	SW846 7471A	11/16/01	ENVAE1AC
		Dilution Factor: 1			
		Analysis Time...: 21:15			
LCS Lot-Sample#: D1K150000-456 Prep Batch #....: 1319456					
Barium	92	(86 - 114)	SW846 6010B	11/20-11/21/01	EN2411AJ
		Dilution Factor: 1			
		Analysis Time...: 14:41			
Chromium	91	(88 - 110)	SW846 6010B	11/20-11/21/01	EN2411AK
		Dilution Factor: 1			
		Analysis Time...: 14:41			
Silver	96	(88 - 108)	SW846 6010B	11/20-11/21/01	EN2411AL
		Dilution Factor: 1			
		Analysis Time...: 14:41			
Arsenic	88	(87 - 107)	SW846 6010B	11/20-11/21/01	EN2411AM
		Dilution Factor: 1			
		Analysis Time...: 14:41			
Cadmium	89	(89 - 109)	SW846 6010B	11/20-11/21/01	EN2411AN
		Dilution Factor: 1			
		Analysis Time...: 14:41			
Lead	90	(88 - 108)	SW846 6010B	11/20-11/21/01	EN2411AP
		Dilution Factor: 1			
		Analysis Time...: 14:41			
Selenium	86	(86 - 107)	SW846 6010B	11/20-11/21/01	EN2411AQ
		Dilution Factor: 1			
		Analysis Time...: 14:41			

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D1K120137

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D1K130000-293 Prep Batch #...: 1317293							
Mercury	0.417	0.397	mg/kg	95	SW846 7471A	11/16/01	ENVAE1AC
			Dilution Factor: 1				
			Analysis Time...: 21:15				
LCS Lot-Sample#: D1K150000-456 Prep Batch #...: 1319456							
Barium	200	185	mg/kg	92	SW846 6010B	11/20-11/21/01	EN2411AJ
			Dilution Factor: 1				
			Analysis Time...: 14:41				
Chromium	20.0	18.3	mg/kg	91	SW846 6010B	11/20-11/21/01	EN2411AK
			Dilution Factor: 1				
			Analysis Time...: 14:41				
Silver	5.00	4.78	mg/kg	96	SW846 6010B	11/20-11/21/01	EN2411AL
			Dilution Factor: 1				
			Analysis Time...: 14:41				
Arsenic	200	176	mg/kg	88	SW846 6010B	11/20-11/21/01	EN2411AM
			Dilution Factor: 1				
			Analysis Time...: 14:41				
Cadmium	5.00	4.45	mg/kg	89	SW846 6010B	11/20-11/21/01	EN2411AN
			Dilution Factor: 1				
			Analysis Time...: 14:41				
Lead	50.0	45.0	mg/kg	90	SW846 6010B	11/20-11/21/01	EN2411AP
			Dilution Factor: 1				
			Analysis Time...: 14:41				
Selenium	200	172	mg/kg	86	SW846 6010B	11/20-11/21/01	EN2411AQ
			Dilution Factor: 1				
			Analysis Time...: 14:41				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: D1K120137

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D1K130000-293 Prep Batch #....: 1317293						
Mercury	ND	0.033	mg/kg	SW846 7471A	11/16/01	ENVAE1AA
		Dilution Factor: 1				
		Analysis Time...: 21:13				
MB Lot-Sample #: D1K150000-456 Prep Batch #....: 1319456						
Arsenic	ND	1.0	mg/kg	SW846 6010B	11/20-11/21/01	EN2411AE
		Dilution Factor: 1				
		Analysis Time...: 14:36				
Barium	ND	1.0	mg/kg	SW846 6010B	11/20-11/21/01	EN2411AA
		Dilution Factor: 1				
		Analysis Time...: 14:36				
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/20-11/21/01	EN2411AF
		Dilution Factor: 1				
		Analysis Time...: 14:36				
Chromium	ND	1.0	mg/kg	SW846 6010B	11/20-11/21/01	EN2411AC
		Dilution Factor: 1				
		Analysis Time...: 14:36				
Lead	ND	0.80	mg/kg	SW846 6010B	11/20-11/21/01	EN2411AG
		Dilution Factor: 1				
		Analysis Time...: 14:36				
Selenium	ND	1.3	mg/kg	SW846 6010B	11/20-11/21/01	EN2411AH
		Dilution Factor: 1				
		Analysis Time...: 14:36				
Silver	ND	1.0	mg/kg	SW846 6010B	11/20-11/21/01	EN2411AD
		Dilution Factor: 1				
		Analysis Time...: 14:36				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D1K120137

Matrix.....: SOLID

Date Sampled...: 11/09/01 11:45 Date Received...: 11/10/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D1K120137-010 Prep Batch #...: 1319456						
Arsenic	92	(87 - 107)		SW846 6010B	11/20-11/21/01	ENQ2R1AV
	92	(87 - 107)	0.35 (0-20)	SW846 6010B	11/20-11/21/01	ENQ2R1AW
			Dilution Factor: 1			
			Analysis Time...: 14:54			
Barium	90	(86 - 114)		SW846 6010B	11/20-11/21/01	ENQ2R1AN
	93	(86 - 114)	3.1 (0-20)	SW846 6010B	11/20-11/21/01	ENQ2R1AP
			Dilution Factor: 1			
			Analysis Time...: 14:54			
Cadmium	NC,MSB	(89 - 109)		SW846 6010B	11/20-11/21/01	ENQ2R1AX
	NC,MSB	(89 - 109)	(0-20)	SW846 6010B	11/20-11/21/01	ENQ2R1A0
			Dilution Factor: 1			
			Analysis Time...: 14:54			
Chromium	92	(88 - 110)		SW846 6010B	11/20-11/21/01	ENQ2R1AQ
	98	(88 - 110)	5.7 (0-20)	SW846 6010B	11/20-11/21/01	ENQ2R1AR
			Dilution Factor: 1			
			Analysis Time...: 14:54			
Lead	NC,MSB	(88 - 108)		SW846 6010B	11/20-11/21/01	ENQ2R1A1
	NC,MSB	(88 - 108)	(0-20)	SW846 6010B	11/20-11/21/01	ENQ2R1A2
			Dilution Factor: 1			
			Analysis Time...: 14:54			
Selenium	90	(86 - 107)		SW846 6010B	11/20-11/21/01	ENQ2R1A3
	90	(86 - 107)	0.14 (0-20)	SW846 6010B	11/20-11/21/01	ENQ2R1A4
			Dilution Factor: 1			
			Analysis Time...: 14:54			
Silver	97	(88 - 108)		SW846 6010B	11/20-11/21/01	ENQ2R1AT
	97	(88 - 108)	0.55 (0-20)	SW846 6010B	11/20-11/21/01	ENQ2R1AU
			Dilution Factor: 1			
			Analysis Time...: 14:54			

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D1K120137

Matrix.....: SOLID

Date Sampled...: 10/30/01 11:24 Date Received...: 11/01/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #:	D1K020140-023 Prep Batch #...: 1317293					
Mercury	87	(82 - 113)		SW846 7471A	11/16/01	EM81X1A2
	85	(82 - 113)	2.7 (0-20)	SW846 7471A	11/16/01	EM81X1A3

Dilution Factor: 1

Analysis Time...: 21:35

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: D1K120137

Matrix.....: SOLID

Date Sampled....: 11/09/01 11:45 Date Received...: 11/10/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D1K120137-010 Prep Batch #....: 1319456									
Arsenic									
	1.9	200	185	mg/kg	92		SW846 6010B	11/20-11/21/01	ENQ2R1AV
	1.9	200	186	mg/kg	92	0.35	SW846 6010B	11/20-11/21/01	ENQ2R1AW
	Dilution Factor: 1								
	Analysis Time...: 14:54								
Barium									
	30.2	200	210	mg/kg	90		SW846 6010B	11/20-11/21/01	ENQ2R1AN
	30.2	200	217	mg/kg	93	3.1	SW846 6010B	11/20-11/21/01	ENQ2R1AP
	Dilution Factor: 1								
	Analysis Time...: 14:54								
Cadmium									
	34.8	5.00	26.5	mg/kg			SW846 6010B	11/20-11/21/01	ENQ2R1AX
	Qualifiers: NC,MSB								
	34.8	5.00	21.7	mg/kg			SW846 6010B	11/20-11/21/01	ENQ2R1AO
	Qualifiers: NC,MSB								
	Dilution Factor: 1								
	Analysis Time...: 14:54								
Chromium									
	3.3	20.0	21.7	mg/kg	92		SW846 6010B	11/20-11/21/01	ENQ2R1AQ
	3.3	20.0	23.0	mg/kg	98	5.7	SW846 6010B	11/20-11/21/01	ENQ2R1AR
	Dilution Factor: 1								
	Analysis Time...: 14:54								
Lead									
	466	50.0	589	mg/kg			SW846 6010B	11/20-11/21/01	ENQ2R1A1
	Qualifiers: NC,MSB								
	466	50.0	538	mg/kg			SW846 6010B	11/20-11/21/01	ENQ2R1A2
	Qualifiers: NC,MSB								
	Dilution Factor: 1								
	Analysis Time...: 14:54								
Selenium									
	ND	200	180	mg/kg	90		SW846 6010B	11/20-11/21/01	ENQ2R1A3
	ND	200	180	mg/kg	90	0.14	SW846 6010B	11/20-11/21/01	ENQ2R1A4
	Dilution Factor: 1								
	Analysis Time...: 14:54								

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D1K120137

Matrix.....: SOLID

Date Sampled...: 11/09/01 11:45 Date Received...: 11/10/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Silver	ND	5.00	4.84	mg/kg	97		SW846 6010B	11/20-11/21/01	ENQ2R1AT
	ND	5.00	4.87	mg/kg	97	0.55	SW846 6010B	11/20-11/21/01	ENQ2R1AU

Dilution Factor: 1

Analysis Time...: 14:54

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: D1K120137

Matrix.....: SOLID

Date Sampled....: 10/30/01 11:24 Date Received...: 11/01/01

PARAMETER	AMOUNT	AMT	AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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MS Lot-Sample #: D1K020140-023 Prep Batch #....: 1317293

Mercury

ND	0.417	0.387	mg/kg	87			SW846 7471A	11/16/01	EM81X1A2
ND	0.417	0.377	mg/kg	85	2.7		SW846 7471A	11/16/01	EM81X1A3

Dilution Factor: 1

Analysis Time...: 21:35

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

HOLD TIME REPORT

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GCMS VOA

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K120137001	B-56-3	11/09/01	08:30							
			8260B		10		14		11/19/01 20:05	VOA
D1K120137002	B-56-16	11/09/01	08:45							
			8260B		10		14		11/19/01 14:57	VOA
D1K120137003	B-56-18	11/09/01	08:50							
			8260B		10		14		11/19/01 17:47	VOA
D1K120137004	B-48-3	11/09/01	09:20							
			8260B		10		14		11/19/01 20:31	VOA
D1K120137005	B-48-14	11/09/01	09:40							
			8260B		10		14		11/19/01 15:49	VOA
D1K120137006	B-48-18	11/09/01	09:45							
			8260B		10		14		11/19/01 18:12	VOA
D1K120137007	B-50-4	11/09/01	10:30							
			8260B		10		14		11/19/01 20:57	VOA
D1K120137008	B-50-15	11/09/01	10:45							
			8260B		10		14		11/19/01 16:40	VOA
D1K120137009	B-50-18	11/09/01	10:50							
			8260B		10		14		11/19/01 18:37	VOA
D1K120137010	B-60-1	11/09/01	11:45							
			8260B		10		14		11/19/01 21:24	VOA
D1K120137011	B-60-3	11/09/01	11:50							
			8260B		10		14		11/19/01 17:57	VOA
D1K120137012	B-60-16	11/09/01	12:10							
			8260B		10		14		11/19/01 17:55	VOA
D1K120137013	B-54-4	11/07/01	07:40							
			8260B		11		14		11/18/01 22:36	VOA
D1K120137014	B-54-17	11/07/01	08:00							
			8260B		11		14		11/18/01 23:42	VOA
D1K120137015	B-53-5	11/07/01	08:15							
			8260B		11		14		11/18/01 12:37	VOA
D1K120137016	B-53-17	11/07/01	08:45							
			8260B		11		14		11/19/01 03:55	VOA
D1K120137017	B-62-0.5	11/07/01	09:30							
			8260B		11		14		11/18/01 04:22	VOA
D1K120137018	B-62-5	11/07/01	09:35							
			8260B		11		14		11/18/01 04:48	VOA
D1K120137019	B-62-17	11/07/01	09:55							
			8260B		11		14		11/18/01 13:03	VOA
D1K120137020	B-61-0.5	11/07/01	10:12							
			8260B		11		14		11/18/01 14:21	VOA

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GCMS VOA

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K120137021	B-61-4	11/07/01	10:12							
			8260B		11		14		11/18/01	14:47 VOA
D1K120137022	B-61-18	11/07/01	10:40							
			8260B		12		14		11/19/01	12:44 VOA
D1K120137024	B-70-8	11/07/01	11:05							
			8260B		12		14		11/19/01	14:05 VOA

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GCMS SEMIOVA

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K120137004	B-48-3	11/09/01	09:20							
			8270C	12	4	14	40	11/21/01 08:30	11/25/01 17:41	BNAs
D1K120137005	B-48-14	11/09/01	09:40							
			8270C	12	4	14	40	11/21/01 08:30	11/25/01 18:50	BNAs
D1K120137007	B-50-4	11/09/01	10:30							
			8270C	12	4	14	40	11/21/01 08:30	11/25/01 19:13	BNAs
D1K120137008	B-50-15	11/09/01	10:45							
			8270C	12	4	14	40	11/21/01 08:30	11/25/01 19:36	BNAs

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: METALS

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K120137010	B-60-1	11/09/01	11:45							
			6010B		12		180		11/21/01 14:45	ICP
			6010B		12		180		11/21/01 14:45	ICP
			7471A		7		28		11/16/01 21:41	
D1K120137011	B-60-3	11/09/01	11:50							
			6010B		12		180		11/21/01 15:02	ICP
			6010B		12		180		11/21/01 15:02	ICP
			7471A		7		28		11/16/01 21:43	
D1K120137012	B-60-16	11/09/01	12:10							
			6010B		12		180		11/21/01 15:07	ICP
			6010B		12		180		11/21/01 15:07	ICP
			7471A		7		28		11/16/01 21:45	
D1K120137013	B-54-4	11/07/01	07:40							
			6010B		14		180		11/21/01 15:11	ICP
			6010B		20		180		11/27/01 11:07	ICP
			6010B		14		180		11/21/01 15:11	ICP
			7471A		9		28		11/16/01 21:46	
D1K120137014	B-54-17	11/07/01	08:00							
			6010B		14		180		11/21/01 15:15	ICP
			6010B		14		180		11/21/01 15:15	ICP
			7471A		9		28		11/16/01 21:48	
D1K120137017	B-62-0.5	11/07/01	09:30							
			6010B		14		180		11/21/01 15:28	ICP
			6010B		14		180		11/21/01 15:28	ICP
			7471A		9		28		11/16/01 21:50	
D1K120137018	B-62-5	11/07/01	09:35							
			6010B		14		180		11/21/01 15:32	ICP
			6010B		14		180		11/21/01 15:32	ICP
			7471A		9		28		11/16/01 21:51	
D1K120137019	B-62-17	11/07/01	09:55							
			6010B		14		180		11/21/01 15:36	ICP
			6010B		14		180		11/21/01 15:36	ICP
			7471A		9		28		11/16/01 21:53	
D1K120137020	B-61-0.5	11/07/01	10:12							
			6010B		14		180		11/21/01 15:44	ICP
			6010B		14		180		11/21/01 15:44	ICP
			7471A		9		28		11/16/01 21:55	
D1K120137021	B-61-4	11/07/01	10:12							
			6010B		14		180		11/21/01 15:44	ICP
			6010B		14		180		11/21/01 15:44	ICP
			7471A		9		28		11/16/01 22:00	

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: METALS

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K120137022	B-61-18	11/07/01	10:40							
			6010B		14		180		11/21/01 15:49	ICP
			6010B		14		180		11/21/01 15:49	ICP
			7471A		9		28		11/16/01 22:01	
D1K120137023	B-70-0.5	11/07/01	11:30							
			6010B		14		180		11/21/01 15:53	ICP
			6010B		14		180		11/21/01 15:53	ICP
			7471A		9		28		11/16/01 22:03	
D1K120137024	B-70-8	11/07/01	11:05							
			6010B		14		180		11/21/01 15:57	ICP
			6010B		14		180		11/21/01 15:57	ICP
			7471A		9		28		11/16/01 22:04	

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GENERAL CHEMISTRY

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K120137001	B-56-3	11/09/01	08:30							
			160.3 MOD		17		99		11/26/01	08:00
D1K120137002	B-56-16	11/09/01	08:45							
			160.3 MOD		17		99		11/26/01	08:00
D1K120137004	B-48-3	11/09/01	09:20							
			160.3 MOD		17		99		11/26/01	08:00
D1K120137005	B-48-14	11/09/01	09:40							
			160.3 MOD		17		99		11/26/01	08:00
D1K120137007	B-50-4	11/09/01	10:30							
			160.3 MOD		17		99		11/26/01	08:00
D1K120137008	B-50-15	11/09/01	10:45							
			160.3 MOD		17		99		11/26/01	15:00
D1K120137010	B-60-1	11/09/01	11:45							
			160.3 MOD		17		99		11/26/01	15:00
D1K120137011	B-60-3	11/09/01	11:50							
			160.3 MOD		17		99		11/26/01	15:00
D1K120137012	B-60-16	11/09/01	12:10							
			160.3 MOD		17		99		11/26/01	15:00
D1K120137013	B-54-4	11/07/01	07:40							
			160.3 MOD		19		99		11/26/01	15:00
D1K120137014	B-54-17	11/07/01	08:00							
			160.3 MOD		19		99		11/26/01	15:00
D1K120137015	B-53-5	11/07/01	08:15							
			160.3 MOD		19		99		11/26/01	15:00
D1K120137016	B-53-17	11/07/01	08:45							
			160.3 MOD		19		99		11/26/01	15:00
D1K120137017	B-62-0.5	11/07/01	09:30							
			160.3 MOD		19		99		11/26/01	15:00
D1K120137018	B-62-5	11/07/01	09:35							
			160.3 MOD		19		99		11/26/01	15:00
D1K120137019	B-62-17	11/07/01	09:55							
			160.3 MOD		19		99		11/26/01	15:00
D1K120137020	B-61-0.5	11/07/01	10:12							
			160.3 MOD		19		99		11/26/01	15:00
D1K120137021	B-61-4	11/07/01	10:12							
			160.3 MOD		19		99		11/26/01	15:00
D1K120137022	B-61-18	11/07/01	10:40							
			160.3 MOD		19		99		11/26/01	15:00
D1K120137023	B-70-0.5	11/07/01	11:30							
			160.3 MOD		19		99		11/26/01	15:00

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GENERAL CHEMISTRY

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K120137024	B-70-8	11/07/01 11:05	160.3 MOD		19		99		11/26/01 15:00	

27
A. A.

**SEVERN
TRENT
SERVICES**

Severn Trent Laboratories, Inc.

STL-4124 (0700) DEN (0900)

Client <i>Safety-Kleen (Wichita), Inc. Facility</i>	Project Manager <i>Kay Truscher (Cameron-Cole, LLC)</i>	Date <i>11/9/01</i>	Chain of Custody Number <i>041156</i>
Address <i>2549 North New York Avenue</i>	Telephone Number (Area Code)/Fax Number <i>303-938-5535 / 303-938-5520</i>	Lab Number	Page <i>6</i> of <i>8</i>

City Wichita	State KS	Zip Code 67219	Site Contact Russell Dunn	Lab Contact Kae Yoder	Analysis (Attach list if more space is needed)								Special Instructions/ Conditions of Receipt								
Project Name and Location (State) SX Wichita Facility, Wichita, KS			Carrier/Waybill Number		060B)	mtals	270C)														
Contract/Purchase Order/Quote No.																					
			Containers &																		

[illegible]

Possible Hazard Identification					Sample Disposal			(A fee may be assessed if samples are retained longer than 3 months)
<input checked="" type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client	<input checked="" type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For _____ Months	

Turn Around Time Required ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

1 Relinquished By	<i>Refugee A. Mitchell</i>	Date	<i>11/16/01</i>	Time	<i>1800</i>	1 Received By	<i>Refugee A. Mitchell</i>	Date	<i>11/10/01</i>	Time	<i>0930</i>
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2. Relinquished By <i>JH</i>	Date	Time	2. Received By <i>AV</i>	Date	Time
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3. Relinquished By	Date	Time	3 Received By	Date	Time
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Comments: Please contact Kay Truesher immediately with any questions.

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Conv

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report, PINK - Field Copy

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

SEVERN
TRENT
SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0700) DEN (0900)

Client: Safety-Kleen Wichita Facility Project Manager: Kay Tauscher (Cameron-Lake LLC) Date: 11/8/01 Chain of Custody Number: 041158

Address: 2549 North New York Ave Telephone Number (Area Code)/Fax Number: 303-938-5535 / 303-938-5520 Lab Number: _____

City: Wichita State: KS Zip Code: 67214 Site Contact: Russell Dunn Lab Contact: Kate Yeddi-

Project Name and Location (State): S-K Wichita Facility, Wichita, KS Carrier/Waybill Number: _____

Contract/Purchase Order/Quote No. _____

City Wichita	State KS	Zip Code 67214	Site Contact Russell Dunn		Lab Contact Kare Yoder		Analysis (Attach list if more space is needed)														Special Instructions/ Conditions of Receipt																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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Sample I.D. No. and Description (Containers for each sample may be combined on one line)			Date		Time		Air	Aqueous	Sed	Soil	Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify): _____

1 Relinquished By: <u>[Signature]</u>	Date: <u>11/8/01</u>	Time: <u>1800</u>	1 Received By: <u>[Signature]</u>	Date: <u>11/10/01</u>	Time: <u>0930</u>
2 Relinquished By: _____	Date: _____	Time: _____	2 Received By: _____	Date: _____	Time: _____
3 Relinquished By: _____	Date: _____	Time: _____	3 Received By: _____	Date: _____	Time: _____

Comments: Please call Kay Tauscher immediately with any questions.

DISTRIBUTION: WHITE - Stays with the Sample, CANARY - Returned to Client with Report, PINK - Field Copy

STL Denver
4955 Yarrow Street
Arvada, CO 80002-4517

Tel: 303 736 0100
Fax: 303 431 7171
www.stl-inc.com

ANALYTICAL REPORT
REVISED

SAFETY KLEEN (WICHITA, KS)

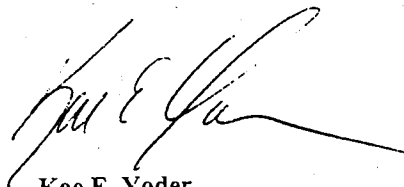
Lot #: D1K120223

Kay Tauscher

**Cameron-Cole LLC
5777 Central Avenue, Suite 100
Boulder, CO 80301**

**cc: Will Huskie
cc: John Arbuthnot**

SEVERN TRENT LABORATORIES, INC.



**Kae E. Yoder
Project Manager**

January 15, 2002

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Standard Deliverables

Report Contents

Total Number of Pages

Standard Deliverables

The Cover Letter and the Report Cover page are considered integral parts of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.

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- Case Narrative
- Executive Summary – Detection Highlights
- Methods Summary
- Method/Analyst Summary
- Lot Sample Summary
- Analytical Results
- QC Data Association Summary
- Hold Time Report
- Chain-of-Custody

CASE NARRATIVE

REVISED

Client Name: Safety-Kleen (Wichita)
Project Name:
Project Number:
Sample Delivery Group: D1K120223
Original Narrative Date: 12/05/01
Revised Narrative Date: 01/15/02

Sample Receipt

- Fourteen solid samples and three water samples, submitted by Safety-Kleen (Wichita), Inc., were received by STL Denver on November 10, 2001, according to documented sample acceptance procedures. The samples were received intact at temperatures of 2.7°C, 4.5°C and 3.8°C. Analyses requested on the associated chains-of-custody are as follows: GC/MS Volatiles, GC/MS Semivolatiles and Total Metals.
- The samples were received at the laboratory without corresponding chains-of-custody. The client was notified and submitted the chains-of-custody via facsimile transmission on November 12, 2001.
- Discrepancies were noted between the analyses requested on the chains-of-custody and the analyses requested on the sample container labels. As instructed by the client on November 12, 2001, analyses were performed per the chain-of-custody. No other anomalies were encountered during sample receipt.

GC/MS Volatiles

- Sample analysis did not reveal any detected target analytes at or above Safety-Kleen (Wichita)'s RLs, with the exception of the items noted in the following table.

Sample ID	Parameter	Detection	RL	Units
B-79-20	cis-1,2-Dichloroethene	430	29	ug/L
	Tetrachloroethene	490	29	ug/L
	Trichloroethene	48	29	ug/L
	Vinyl chloride	80	29	ug/L
B-81-20	1,1-Dichloroethane	38	1.0	ug/L
	cis-1,2-Dichloroethene	6.5	1.0	ug/L
	Tetrachloroethene	42	1.0	ug/L
	1,1,1-Trichloroethane	2.7	1.0	ug/L
	Trichloroethene	15	1.0	ug/L
B-100-4	cis-1,2-Dichloroethene	29	12	ug/kg
	Tetrachloroethene	550	25	ug/kg
	Trichloroethene	120	25	ug/kg
B-100-15	Tetrachloroethene	59	5.0	ug/kg
	Trichloroethene	8.3	5.0	ug/kg
B-102-18	Tetrachloroethene	40	1.0	ug/L
	1,1,1-Trichloroethane	2.4	1.0	ug/L
	Trichloroethene	1.6	1.0	ug/L

- The samples were analyzed within holding time and without incident, with the exception of the following items noted.
- Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. Due to analytes present above the linear calibration curve, sample B-79-20 had to be analyzed at a 1:28.57 dilution, and sample B-100-4 had to be analyzed at a 1:5 dilution. The reporting limits have been adjusted relative to the dilution required.

GC/MS Semivolatiles

- Sample analysis did not reveal any detected target analytes at or above Safety-Kleen (Wichita)'s RLs. The samples were analyzed within holding time and without incident.

Total Metals

- Sample analysis revealed detectable concentrations at or above Safety-Kleen (Wichita)'s RLs, as detailed in the Executive Summary-Detection Highlights Report. The samples were analyzed within holding time and without incident, with the exception of the following items noted.
- Client specific, as well as, standard batch MS/MSDs have been provided. All spike parameters were within QC control limits with the exception of the item noted in the following table. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

Parameter	QC Batch/ Specific Sample	MS %Rec	MSD %Rec	Recovery Limits	RPD	RPD Limits
Mercury	B-64-0.5	76	85	82-113	7.9	0-20

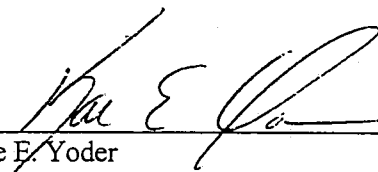
Revisions

The revisions included in this report are as follows:

1. GC/MS Semivolatiles – Additional compounds, bis (2-Ethylhexyl) phthalate and Dimethyl phthalate, have been reported for samples B-100-4 and B-100-15, as requested.
2. GC/MS Semivolatiles – As requested, the laboratory looked for any detectable concentrations present above the method detection limit (MDL) but below the reporting limit. None were found. The MDLs have been printed on the analytical data pages.

These data and reporting limits are being used specifically to meet the needs of this project. All RLs are supported by STL Denver's Method Detection Limits (MDLs). Reporting limits in this report are at or above the MDL.

I certify that the data presented in this report are accurate, complete, and meets the minimum quality assurance standards in 40-CFR 136, 40-CFR 141, and/or SW846. The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. An assessment of the quality of the data, noting any exceptions, outliers, and/or problems encountered have been narrated herein.


Kae E. Yoder
Project Manager

Date 1/15/02

EXECUTIVE SUMMARY - Detection Highlights

D1K120223

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
B-64-0.5 11/08/01 15:15 001				
Mercury	0.16	0.033	mg/kg	SW846 7471A
Arsenic	12.4	1.0	mg/kg	SW846 6010B
Cadmium	3.2	0.50	mg/kg	SW846 6010B
Lead	170	0.80	mg/kg	SW846 6010B
Selenium	2.8	1.3	mg/kg	SW846 6010B
Barium	59.8	1.0	mg/kg	SW846 6010B
Chromium	17.3	1.0	mg/kg	SW846 6010B
Percent Moisture	11.9	0.10	%	MCAWW 160.3 MOD
B-64-3 11/08/01 15:20 002				
Arsenic	9.4	1.0	mg/kg	SW846 6010B
Lead	10.8	0.80	mg/kg	SW846 6010B
Barium	126	1.0	mg/kg	SW846 6010B
Chromium	18.8	1.0	mg/kg	SW846 6010B
Percent Moisture	25.5	0.10	%	MCAWW 160.3 MOD
B-64-16 11/08/01 15:30 003				
Arsenic	1.5	1.0	mg/kg	SW846 6010B
Lead	2.7	0.80	mg/kg	SW846 6010B
Barium	52.5	1.0	mg/kg	SW846 6010B
Chromium	3.9	1.0	mg/kg	SW846 6010B
Percent Moisture	18.3	0.10	%	MCAWW 160.3 MOD
B-65-0.5 11/08/01 15:40 004				
Mercury	0.18	0.033	mg/kg	SW846 7471A
Arsenic	11.8	1.0	mg/kg	SW846 6010B
Cadmium	5.0	0.50	mg/kg	SW846 6010B
Lead	308	0.80	mg/kg	SW846 6010B
Selenium	2.7	1.3	mg/kg	SW846 6010B
Barium	109	1.0	mg/kg	SW846 6010B
Chromium	13.6	1.0	mg/kg	SW846 6010B
Percent Moisture	8.0	0.10	%	MCAWW 160.3 MOD
B-65-3 11/08/01 15:40 005				
Arsenic	5.5	1.0	mg/kg	SW846 6010B
Cadmium	1.5	0.50	mg/kg	SW846 6010B
Lead	39.8	0.80	mg/kg	SW846 6010B
Barium	180	1.0	mg/kg	SW846 6010B
Chromium	21.3	1.0	mg/kg	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D1K120223

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
B-65-3 11/08/01 15:40 005				
Percent Moisture	26.6	0.10	%	MCAWW 160.3 MOD
B-65-16 11/08/01 15:55 006				
Arsenic	1.7	1.0	mg/kg	SW846 6010B
Lead	3.3	0.80	mg/kg	SW846 6010B
Barium	34.2	1.0	mg/kg	SW846 6010B
Chromium	4.5	1.0	mg/kg	SW846 6010B
Percent Moisture	15.6	0.10	%	MCAWW 160.3 MOD
B-66-0.5 11/08/01 16:30 007				
Mercury	0.12	0.033	mg/kg	SW846 7471A
Arsenic	92.3	1.0	mg/kg	SW846 6010B
Lead	156	0.80	mg/kg	SW846 6010B
Selenium	5.6	1.3	mg/kg	SW846 6010B
Barium	143	1.0	mg/kg	SW846 6010B
Chromium	31.0	1.0	mg/kg	SW846 6010B
Percent Moisture	11.3	0.10	%	MCAWW 160.3 MOD
B-66-3 11/08/01 16:30 008				
Arsenic	5.7	1.0	mg/kg	SW846 6010B
Cadmium	1.5	0.50	mg/kg	SW846 6010B
Lead	69.3	0.80	mg/kg	SW846 6010B
Barium	155	1.0	mg/kg	SW846 6010B
Chromium	15.4	1.0	mg/kg	SW846 6010B
Percent Moisture	17.2	0.10	%	MCAWW 160.3 MOD
B-66-16 11/08/01 16:40 009				
Arsenic	1.5	1.0	mg/kg	SW846 6010B
Lead	3.3	0.80	mg/kg	SW846 6010B
Barium	37.9	1.0	mg/kg	SW846 6010B
Chromium	4.2	1.0	mg/kg	SW846 6010B
Percent Moisture	7.2	0.10	%	MCAWW 160.3 MOD
B-67-0.5 11/08/01 16:50 010				
Mercury	0.053	0.033	mg/kg	SW846 7471A
Arsenic	15.0	1.0	mg/kg	SW846 6010B
Cadmium	4.0	0.50	mg/kg	SW846 6010B
Lead	49.5	0.80	mg/kg	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D1K120223

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
B-67-0.5 11/08/01 16:50 010				
Selenium	4.9	1.3	mg/kg	SW846 6010B
Barium	93.8	1.0	mg/kg	SW846 6010B
Chromium	17.4	1.0	mg/kg	SW846 6010B
Percent Moisture	7.5	0.10	%	MCAWW 160.3 MOD
B-67-3 11/08/01 16:50 011				
Arsenic	11.2	1.0	mg/kg	SW846 6010B
Cadmium	3.8	0.50	mg/kg	SW846 6010B
Lead	299	0.80	mg/kg	SW846 6010B
Selenium	1.9	1.3	mg/kg	SW846 6010B
Barium	115	1.0	mg/kg	SW846 6010B
Chromium	15.0	1.0	mg/kg	SW846 6010B
Percent Moisture	17.5	0.10	%	MCAWW 160.3 MOD
B-67-16 11/08/01 16:55 012				
Arsenic	2.1	1.0	mg/kg	SW846 6010B
Lead	6.1	0.80	mg/kg	SW846 6010B
Barium	55.6	1.0	mg/kg	SW846 6010B
Chromium	11.9	1.0	mg/kg	SW846 6010B
Percent Moisture	17.3	0.10	%	MCAWW 160.3 MOD
B-79-20 11/08/01 13:35 013				
cis-1,2-Dichloroethene	430	29	ug/L	SW846 8260B
Tetrachloroethene	490	29	ug/L	SW846 8260B
Trichloroethene	48	29	ug/L	SW846 8260B
Vinyl chloride	80	29	ug/L	SW846 8260B
B-81-20 11/08/01 14:30 014				
1,1-Dichloroethane	38	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	6.5	1.0	ug/L	SW846 8260B
Tetrachloroethene	42	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	2.7	1.0	ug/L	SW846 8260B
Trichloroethene	15	1.0	ug/L	SW846 8260B
B-100-4 11/09/01 13:30 015				
cis-1,2-Dichloroethene	29	12	ug/kg	SW846 8260B
Tetrachloroethene	550	25	ug/kg	SW846 8260B
Trichloroethene	120	25	ug/kg	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D1K120223

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
B-100-4 11/09/01 13:30 015				
Percent Moisture	22.2	0.10	%	MCAWW 160.3 MOD
B-100-15 11/09/01 13:45 016				
Tetrachloroethene	59	5.0	ug/kg	SW846 8260B
Trichloroethene	8.3	5.0	ug/kg	SW846 8260B
Percent Moisture	7.7	0.10	%	MCAWW 160.3 MOD
B-102-18 11/09/01 14:50 017				
Tetrachloroethene	40	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	2.4	1.0	ug/L	SW846 8260B
Trichloroethene	1.6	1.0	ug/L	SW846 8260B

METHODS SUMMARY

D1K120223

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3050B
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A	SW846 7471A
Percent Moisture	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3550B
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3050B
Volatile Organics by GC/MS	SW846 8260B	SW846 5030
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

- MCAWW "Methods for Chemical Analysis of Water and Wastes",
EPA-600/4-79-020, March 1983 and subsequent revisions.
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

DIK120223

<u>ANALYTICAL METHOD</u>	<u>ANALYST</u>	<u>ANALYST ID</u>
MCAWW 160.3 MOD	Nathan Lovstad	000090
SW846 6010B	Lynn-Anne Trudell	006645
SW846 7471A	Thomas Lill	006929
SW846 8260B	Dan Appelkans	001008
SW846 8260B	Mike G. Hoffman	001880
SW846 8270C	Xiayasang Leewaphath	006600

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes",
EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

D1K120223

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
ENR23	001	B-64-0.5	11/08/01	15:15
ENR24	002	B-64-3	11/08/01	15:20
ENR25	003	B-64-16	11/08/01	15:30
ENR26	004	B-65-0.5	11/08/01	15:40
ENR28	005	B-65-3	11/08/01	15:40
ENR29	006	B-65-16	11/08/01	15:55
ENR3A	007	B-66-0.5	11/08/01	16:30
ENR3C	008	B-66-3	11/08/01	16:30
ENR3E	009	B-66-16	11/08/01	16:40
ENR3F	010	B-67-0.5	11/08/01	16:50
ENR3G	011	B-67-3	11/08/01	16:50
ENR3H	012	B-67-16	11/08/01	16:55
ENR3L	013	B-79-20	11/08/01	13:35
ENR3N	014	B-81-20	11/08/01	14:30
ENR3P	015	B-100-4	11/09/01	13:30
ENR3R	016	B-100-15	11/09/01	13:45
ENR3T	017	B-102-18	11/09/01	14:50

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

CAMERON-COLE LLC

Client Sample ID: B-79-20

GC/MS Volatiles

Lot-Sample #....: D1K120223-013 Work Order #....: ENR3L1AA Matrix.....: WATER
 Date Sampled....: 11/08/01 13:35 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324405 Analysis Time...: 11:33
 Dilution Factor: 28.57

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	29	ug/L
Bromobenzene	ND	29	ug/L
Bromochloromethane	ND	29	ug/L
Bromodichloromethane	ND	29	ug/L
Bromoform	ND	29	ug/L
Bromomethane	ND	57	ug/L
n-Butylbenzene	ND	29	ug/L
sec-Butylbenzene	ND	29	ug/L
tert-Butylbenzene	ND	29	ug/L
Carbon tetrachloride	ND	29	ug/L
Chlorobenzene	ND	29	ug/L
Chlorodibromomethane	ND	29	ug/L
Chloroethane	ND	57	ug/L
Chloroform	ND	29	ug/L
Chloromethane	ND	57	ug/L
2-Chlorotoluene	ND	29	ug/L
4-Chlorotoluene	ND	29	ug/L
Dibromomethane	ND	29	ug/L
1,2-Dichlorobenzene	ND	29	ug/L
1,3-Dichlorobenzene	ND	29	ug/L
1,4-Dichlorobenzene	ND	29	ug/L
Dichlorodifluoromethane	ND	57	ug/L
1,1-Dichloroethane	ND	29	ug/L
1,2-Dichloroethane	ND	29	ug/L
1,1-Dichloroethene	ND	29	ug/L
cis-1,2-Dichloroethene	430	29	ug/L
trans-1,2-Dichloroethene	ND	14	ug/L
1,2-Dichloropropane	ND	29	ug/L
1,3-Dichloropropane	ND	29	ug/L
2,2-Dichloropropane	ND	140	ug/L
1,1-Dichloropropene	ND	29	ug/L
Ethylbenzene	ND	29	ug/L
Trichlorofluoromethane	ND	57	ug/L
Hexachlorobutadiene	ND	29	ug/L
Isopropylbenzene	ND	29	ug/L
p-Isopropyltoluene	ND	29	ug/L
Methylene chloride	ND	29	ug/L
Naphthalene	ND	29	ug/L

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CAMERON-COLE LLC

Client Sample ID: B-79-20

GC/MS Volatiles

Lot-Sample #....: D1K120223-013 Work Order #....: ENR3L1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	29	ug/L
Styrene	ND	29	ug/L
1,1,1,2-Tetrachloroethane	ND	29	ug/L
1,1,2,2-Tetrachloroethane	ND	29	ug/L
Tetrachloroethene	490	29	ug/L
Toluene	ND	29	ug/L
1,2,3-Trichlorobenzene	ND	29	ug/L
1,2,4-Trichloro- benzene	ND	29	ug/L
1,1,1-Trichloroethane	ND	29	ug/L
1,1,2-Trichloroethane	ND	29	ug/L
Trichloroethene	48	29	ug/L
1,2,3-Trichloropropane	ND	29	ug/L
1,2,4-Trimethylbenzene	ND	29	ug/L
1,3,5-Trimethylbenzene	ND	29	ug/L
Vinyl chloride	80	29	ug/L
o-Xylene	ND	29	ug/L
m-Xylene & p-Xylene	ND	57	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	57	ug/L
1,2-Dibromoethane (EDB)	ND	29	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(80 - 120)
1,2-Dichloroethane-d4	99	(72 - 127)
4-Bromofluorobenzene	100	(79 - 119)
Toluene-d8	103	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: B-81-20

GC/MS Volatiles

Lot-Sample #....: D1K120223-014 Work Order #....: ENR3N1AA Matrix.....: WATER
 Date Sampled....: 11/08/01 14:30 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324405 Analysis Time...: 11:54
 Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	LIMIT	REPORTING UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	38	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	6.5	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: B-81-20

GC/MS Volatiles

Lot-Sample #....: D1K120223-014 Work Order #....: ENR3N1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	42	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	2.7	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	15	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(80 - 120)
1,2-Dichloroethane-d4	106	(72 - 127)
4-Bromofluorobenzene	103	(79 - 119)
Toluene-d8	99	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: B-100-4

GC/MS Volatiles

Lot-Sample #....: D1K120223-015 Work Order #....: ENR3P1AA Matrix.....: SOLID
 Date Sampled....: 11/09/01 13:30 Date Received...: 11/10/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325482 Analysis Time...: 20:34
 Dilution Factor: 5
 % Moisture.....: 22 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	25	ug/kg
Bromobenzene	ND	25	ug/kg
Bromochloromethane	ND	25	ug/kg
Bromodichloromethane	ND	25	ug/kg
Bromoform	ND	25	ug/kg
Bromomethane	ND	50	ug/kg
n-Butylbenzene	ND	25	ug/kg
sec-Butylbenzene	ND	25	ug/kg
tert-Butylbenzene	ND	25	ug/kg
Carbon tetrachloride	ND	25	ug/kg
Chlorobenzene	ND	25	ug/kg
Chlorodibromomethane	ND	25	ug/kg
Chloroethane	ND	50	ug/kg
Chloroform	ND	50	ug/kg
Chloromethane	ND	50	ug/kg
2-Chlorotoluene	ND	25	ug/kg
4-Chlorotoluene	ND	25	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	ug/kg
1,2-Dibromoethane (EDB)	ND	25	ug/kg
Dibromomethane	ND	25	ug/kg
1,2-Dichlorobenzene	ND	25	ug/kg
1,3-Dichlorobenzene	ND	25	ug/kg
1,4-Dichlorobenzene	ND	25	ug/kg
Dichlorodifluoromethane	ND	50	ug/kg
1,1-Dichloroethane	ND	25	ug/kg
1,2-Dichloroethane	ND	25	ug/kg
cis-1,2-Dichloroethene	29	12	ug/kg
trans-1,2-Dichloroethene	ND	12	ug/kg
1,1-Dichloroethene	ND	25	ug/kg
1,2-Dichloropropane	ND	25	ug/kg
1,3-Dichloropropane	ND	25	ug/kg
2,2-Dichloropropane	ND	25	ug/kg
1,1-Dichloropropene	ND	25	ug/kg
Ethylbenzene	ND	25	ug/kg
Hexachlorobutadiene	ND	25	ug/kg
Isopropylbenzene	ND	25	ug/kg
p-Isopropyltoluene	ND	25	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-100-4

GC/MS Volatiles

Lot-Sample #....: D1K120223-015 Work Order #....: ENR3P1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	25	ug/kg
Naphthalene	ND	25	ug/kg
n-Propylbenzene	ND	25	ug/kg
Styrene	ND	25	ug/kg
1,1,1,2-Tetrachloroethane	ND	25	ug/kg
1,1,2,2-Tetrachloroethane	ND	25	ug/kg
Tetrachloroethene	550	25	ug/kg
Toluene	ND	25	ug/kg
1,2,3-Trichlorobenzene	ND	25	ug/kg
1,2,4-Trichloro- benzene	ND	25	ug/kg
1,1,1-Trichloroethane	ND	25	ug/kg
1,1,2-Trichloroethane	ND	25	ug/kg
Trichloroethene	120	25	ug/kg
Trichlorofluoromethane	ND	50	ug/kg
1,2,3-Trichloropropane	ND	25	ug/kg
1,2,4-Trimethylbenzene	ND	25	ug/kg
1,3,5-Trimethylbenzene	ND	25	ug/kg
Vinyl chloride	ND	25	ug/kg
m-Xylene & p-Xylene	ND	12	ug/kg
o-Xylene	ND	12	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(80 - 120)
1,2-Dichloroethane-d4	114	(79 - 125)
4-Bromofluorobenzene	106	(71 - 132)
Toluene-d8	96	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-100-15

GC/MS Volatiles

Lot-Sample #....: D1K120223-016 Work Order #....: ENR3R1AA Matrix.....: SOLID
 Date Sampled....: 11/09/01 13:45 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1325469 Analysis Time...: 19:38
 Dilution Factor: 1
 % Moisture.....: 7.7 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-100-15

GC/MS Volatiles

Lot-Sample #....: D1K120223-016 Work Order #....: ENR3R1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	59	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	8.3	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(80 - 120)
1,2-Dichloroethane-d4	104	(79 - 125)
4-Bromofluorobenzene	98	(71 - 132)
Toluene-d8	88	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-102-18

GC/MS Volatiles

Lot-Sample #....: D1K120223-017 Work Order #....: ENR3T1AA Matrix.....: WATER
 Date Sampled....: 11/09/01 14:50 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324405 Analysis Time...: 12:16
 Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

(Continued on next page)

CAMERON-COLE LLC

Client Sample ID: B-102-18

GC/MS Volatiles

Lot-Sample #....: D1K120223-017 Work Order #....: ENR3T1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	40	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	2.4	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	1.6	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(80 - 120)
1,2-Dichloroethane-d4	99	(72 - 127)
4-Bromofluorobenzene	102	(79 - 119)
Toluene-d8	101	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: B-100-4

GC/MS Semivolatiles

Lot-Sample #....: D1K120223-015 Work Order #....: ENR3P1AC Matrix.....: SOLID
 Date Sampled....: 11/09/01 13:30 Date Received...: 11/10/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/25/01
 Prep Batch #....: 1325202 Analysis Time...: 20:45
 Dilution Factor: 1
 % Moisture.....: 22 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	330	ug/kg	46
Acenaphthylene	ND	330	ug/kg	34
Anthracene	ND	330	ug/kg	78
Benzo(a)anthracene	ND	330	ug/kg	39
Benzo(b)fluoranthene	ND	330	ug/kg	100
Benzo(k)fluoranthene	ND	330	ug/kg	93
Benzo(ghi)perylene	ND	330	ug/kg	70
Benzo(a)pyrene	ND	330	ug/kg	94
Chrysene	ND	330	ug/kg	53
Dibenz(a,h)anthracene	ND	330	ug/kg	47
Fluoranthene	ND	330	ug/kg	84
Fluorene	ND	330	ug/kg	76
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	48
Naphthalene	ND	330	ug/kg	70
Phenanthrene	ND	330	ug/kg	37
Pyrene	ND	330	ug/kg	40
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	69
Dimethyl phthalate	ND	330	ug/kg	85

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	67	(34 - 97)
Phenol-d5	64	(39 - 90)
Nitrobenzene-d5	67	(33 - 97)
2-Fluorobiphenyl	65	(39 - 91)
2,4,6-Tribromophenol	57	(29 - 95)
Terphenyl-d14	70	(30 - 102)

CAMERON-COLE LLC

Client Sample ID: B-100-15

GC/MS Semivolatiles

Lot-Sample #....: D1K120223-016 Work Order #....: ENR3R1AC Matrix.....: SOLID
 Date Sampled....: 11/09/01 13:45 Date Received...: 11/10/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/25/01
 Prep Batch #....: 1325202 Analysis Time...: 21:08
 Dilution Factor: 1
 % Moisture.....: 7.7 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	330	ug/kg	46
Acenaphthylene	ND	330	ug/kg	34
Anthracene	ND	330	ug/kg	78
Benzo(a)anthracene	ND	330	ug/kg	39
Benzo(b)fluoranthene	ND	330	ug/kg	100
Benzo(k)fluoranthene	ND	330	ug/kg	93
Benzo(ghi)perylene	ND	330	ug/kg	70
Benzo(a)pyrene	ND	330	ug/kg	94
Chrysene	ND	330	ug/kg	53
Dibenz(a,h)anthracene	ND	330	ug/kg	47
Fluoranthene	ND	330	ug/kg	84
Fluorene	ND	330	ug/kg	76
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	48
Naphthalene	ND	330	ug/kg	70
Phenanthrene	ND	330	ug/kg	37
Pyrene	ND	330	ug/kg	40
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	69
Dimethyl phthalate	ND	330	ug/kg	85

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(34 - 97)
Phenol-d5	65	(39 - 90)
Nitrobenzene-d5	71	(33 - 97)
2-Fluorobiphenyl	67	(39 - 91)
2,4,6-Tribromophenol	57	(29 - 95)
Terphenyl-d14	72	(30 - 102)

CAMERON-COLE LLC

Client Sample ID: B-64-0.5

TOTAL Metals

Lot-Sample #....: D1K120223-001

Matrix.....: SOLID

Date Sampled....: 11/08/01 15:15 Date Received...: 11/10/01

% Moisture.....: 12

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1318584						
Mercury	0.16	0.033	mg/kg	SW846 7471A	11/14-11/20/01	ENR231AJ
		Dilution Factor: 1		Analysis Time...: 01:59		
Prep Batch #....: 1319444						
Silver	ND	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR231AD
		Dilution Factor: 1		Analysis Time...: 18:36		
Arsenic	12.4	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR231AE
		Dilution Factor: 1		Analysis Time...: 18:36		
Barium	59.8	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR231AA
		Dilution Factor: 1		Analysis Time...: 18:36		
Cadmium	3.2	0.50	mg/kg	SW846 6010B	11/15-11/18/01	ENR231AF
		Dilution Factor: 1		Analysis Time...: 18:36		
Chromium	17.3	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR231AC
		Dilution Factor: 1		Analysis Time...: 18:36		
Lead	170	0.80	mg/kg	SW846 6010B	11/15-11/18/01	ENR231AG
		Dilution Factor: 1		Analysis Time...: 18:36		
Selenium	2.8	1.3	mg/kg	SW846 6010B	11/15-11/18/01	ENR231AH
		Dilution Factor: 1		Analysis Time...: 18:36		

CAMERON-COLE LLC

Client Sample ID: B-64-3

TOTAL Metals

Lot-Sample #....: D1K120223-002

Date Sampled....: 11/08/01 15:20 Date Received...: 11/10/01

% Moisture.....: 25

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1318584						
Mercury	ND	0.033	mg/kg	SW846 7471A	11/14-11/20/01	ENR241AJ
		Dilution Factor: 1		Analysis Time...: 02:04		
Prep Batch #....: 1319444						
Silver	ND	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR241AD
		Dilution Factor: 1		Analysis Time...: 18:52		
Arsenic	9.4	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR241AE
		Dilution Factor: 1		Analysis Time...: 18:52		
Barium	126	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR241AA
		Dilution Factor: 1		Analysis Time...: 18:52		
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/15-11/18/01	ENR241AF
		Dilution Factor: 1		Analysis Time...: 18:52		
Chromium	18.8	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR241AC
		Dilution Factor: 1		Analysis Time...: 18:52		
Lead	10.8	0.80	mg/kg	SW846 6010B	11/15-11/18/01	ENR241AG
		Dilution Factor: 1		Analysis Time...: 18:52		
Selenium	ND	1.3	mg/kg	SW846 6010B	11/15-11/18/01	ENR241AH
		Dilution Factor: 1		Analysis Time...: 18:52		

CAMERON-COLE LLC

Client Sample ID: B-64-16

TOTAL Metals

Lot-Sample #....: D1K120223-003

Matrix.....: SOLID

Date Sampled....: 11/08/01 15:30 Date Received...: 11/10/01

% Moisture.....: 18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1318584						
Mercury	ND	0.033	mg/kg	SW846 7471A	11/14-11/20/01	ENR251AJ
		Dilution Factor: 1		Analysis Time...: 02:06		
Prep Batch #....: 1319444						
Silver	ND	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR251AD
		Dilution Factor: 1		Analysis Time...: 18:57		
Arsenic	1.5	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR251AE
		Dilution Factor: 1		Analysis Time...: 18:57		
Barium	52.5	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR251AA
		Dilution Factor: 1		Analysis Time...: 18:57		
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/15-11/18/01	ENR251
		Dilution Factor: 1		Analysis Time...: 18:57		
Chromium	3.9	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR251AC
		Dilution Factor: 1		Analysis Time...: 18:57		
Lead	2.7	0.80	mg/kg	SW846 6010B	11/15-11/18/01	ENR251AG
		Dilution Factor: 1		Analysis Time...: 18:57		
Selenium	ND	1.3	mg/kg	SW846 6010B	11/15-11/18/01	ENR251AH
		Dilution Factor: 1		Analysis Time...: 18:57		

CAMERON-COLE LLC

Client Sample ID: B-65-0.5

TOTAL Metals

Lot-Sample #....: D1K120223-004

Matrix.....: SOLID

Date Sampled...: 11/08/01 15:40 Date Received...: 11/10/01

% Moisture.....: 8.0

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1318584						
Mercury	0.18	0.033	mg/kg	SW846 7471A	11/14-11/20/01	ENR261AJ
		Dilution Factor: 1		Analysis Time...: 02:07		
Prep Batch #....: 1319444						
Silver	ND	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR261AD
		Dilution Factor: 1		Analysis Time...: 19:02		
Arsenic	11.8	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR261AE
		Dilution Factor: 1		Analysis Time...: 19:02		
Barium	109	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR261AA
		Dilution Factor: 1		Analysis Time...: 19:02		
Cadmium	5.0	0.50	mg/kg	SW846 6010B	11/15-11/18/01	ENR261AF
		Dilution Factor: 1		Analysis Time...: 19:02		
Chromium	13.6	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR261AC
		Dilution Factor: 1		Analysis Time...: 19:02		
Lead	308	0.80	mg/kg	SW846 6010B	11/15-11/18/01	ENR261AG
		Dilution Factor: 1		Analysis Time...: 19:02		
Selenium	2.7	1.3	mg/kg	SW846 6010B	11/15-11/18/01	ENR261AH
		Dilution Factor: 1		Analysis Time...: 19:02		

CAMERON-COLE LLC

Client Sample ID: B-65-3

TOTAL Metals

Lot-Sample #....: D1K120223-005

Matrix.....: SOLID

Date Sampled....: 11/08/01 15:40 Date Received...: 11/10/01

% Moisture.....: 27

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1318584						
Mercury	ND	0.033	mg/kg	SW846 7471A	11/14-11/20/01	ENR281AJ
		Dilution Factor: 1		Analysis Time...: 02:09		
Prep Batch #....: 1319444						
Silver	ND	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR281AD
		Dilution Factor: 1		Analysis Time...: 19:08		
Arsenic	5.5	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR281AE
		Dilution Factor: 1		Analysis Time...: 19:08		
Barium	180	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR281AA
		Dilution Factor: 1		Analysis Time...: 19:08		
Cadmium	1.5	0.50	mg/kg	SW846 6010B	11/15-11/18/01	ENR281
		Dilution Factor: 1		Analysis Time...: 19:08		
Chromium	21.3	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR281AC
		Dilution Factor: 1		Analysis Time...: 19:08		
Lead	39.8	0.80	mg/kg	SW846 6010B	11/15-11/18/01	ENR281AG
		Dilution Factor: 1		Analysis Time...: 19:08		
Selenium	ND	1.3	mg/kg	SW846 6010B	11/15-11/18/01	ENR281AH
		Dilution Factor: 1		Analysis Time...: 19:08		

CAMERON-COLE LLC

Client Sample ID: B-65-16

TOTAL Metals

Lot-Sample #...: D1K120223-006

Matrix.....: SOLID

Date Sampled...: 11/08/01 15:55 Date Received...: 11/10/01

% Moisture.....: 16

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1318584						
Mercury	ND	0.033	mg/kg	SW846 7471A	11/14-11/20/01	ENR291AJ
		Dilution Factor: 1		Analysis Time...: 02:11		
Prep Batch #....: 1319444						
Silver	ND	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR291AD
		Dilution Factor: 1		Analysis Time...: 19:13		
Arsenic	1.7	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR291AE
		Dilution Factor: 1		Analysis Time...: 19:13		
Barium	34.2	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR291AA
		Dilution Factor: 1		Analysis Time...: 19:13		
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/15-11/18/01	ENR291AF
		Dilution Factor: 1		Analysis Time...: 19:13		
Chromium	4.5	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR291AC
		Dilution Factor: 1		Analysis Time...: 19:13		
Lead	3.3	0.80	mg/kg	SW846 6010B	11/15-11/18/01	ENR291AG
		Dilution Factor: 1		Analysis Time...: 19:13		
Selenium	ND	1.3	mg/kg	SW846 6010B	11/15-11/18/01	ENR291AH
		Dilution Factor: 1		Analysis Time...: 19:13		

CAMERON-COLE LLC

Client Sample ID: B-66-0.5

TOTAL Metals

Lot-Sample #....: D1K120223-007

Matrix.....: SOLID

Date Sampled....: 11/08/01 16:30 Date Received...: 11/10/01

% Moisture.....: 11

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1318584						
Mercury	0.12	0.033	mg/kg	SW846 7471A	11/14-11/20/01	ENR3A1AJ
		Dilution Factor: 1		Analysis Time...: 02:12		
Prep Batch #....: 1319444						
Silver	ND	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR3A1AD
		Dilution Factor: 1		Analysis Time...: 19:18		
Arsenic	92.3	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR3A1AE
		Dilution Factor: 1		Analysis Time...: 19:18		
Barium	143	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR3A1AA
		Dilution Factor: 1		Analysis Time...: 19:18		
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/15-11/18/01	ENR3A1AC
		Dilution Factor: 1		Analysis Time...: 19:18		
Chromium	31.0	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR3A1AC
		Dilution Factor: 1		Analysis Time...: 19:18		
Lead	156	0.80	mg/kg	SW846 6010B	11/15-11/18/01	ENR3A1AG
		Dilution Factor: 1		Analysis Time...: 19:18		
Selenium	5.6	1.3	mg/kg	SW846 6010B	11/15-11/18/01	ENR3A1AH
		Dilution Factor: 1		Analysis Time...: 19:18		

CAMERON-COLE LLC

Client Sample ID: B-66-3

TOTAL Metals

Lot-Sample #....: D1K120223-008

Matrix.....: SOLID

Date Sampled....: 11/08/01 16:30 Date Received...: 11/10/01

% Moisture.....: 17

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1318584						
Mercury	ND	0.033	mg/kg	SW846 7471A	11/14-11/20/01	ENR3C1AJ
		Dilution Factor: 1		Analysis Time...: 02:14		
Prep Batch #....: 1319444						
Silver	ND	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR3C1AD
		Dilution Factor: 1		Analysis Time...: 19:23		
Arsenic	5.7	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR3C1AE
		Dilution Factor: 1		Analysis Time...: 19:23		
Barium	155	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR3C1AA
		Dilution Factor: 1		Analysis Time...: 19:23		
Cadmium	1.5	0.50	mg/kg	SW846 6010B	11/15-11/18/01	ENR3C1AF
		Dilution Factor: 1		Analysis Time...: 19:23		
Chromium	15.4	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR3C1AC
		Dilution Factor: 1		Analysis Time...: 19:23		
Lead	69.3	0.80	mg/kg	SW846 6010B	11/15-11/18/01	ENR3C1AG
		Dilution Factor: 1		Analysis Time...: 19:23		
Selenium	ND	1.3	mg/kg	SW846 6010B	11/15-11/18/01	ENR3C1AH
		Dilution Factor: 1		Analysis Time...: 19:23		

CAMERON-COLE LLC

Client Sample ID: B-66-16

TOTAL Metals

Lot-Sample #....: D1K120223-009

Matrix.....: SOLID

Date Sampled....: 11/08/01 16:40 Date Received...: 11/10/01

% Moisture.....: 7.2

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1318584						
Mercury	ND	0.033	mg/kg	SW846 7471A	11/14-11/20/01	ENR3E1AJ
		Dilution Factor: 1		Analysis Time...: 02:19		
Prep Batch #....: 1319444						
Silver	ND	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR3E1AD
		Dilution Factor: 1		Analysis Time...: 19:29		
Arsenic	1.5	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR3E1AE
		Dilution Factor: 1		Analysis Time...: 19:29		
Barium	37.9	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR3E1AA
		Dilution Factor: 1		Analysis Time...: 19:29		
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/15-11/18/01	ENR3E1AE
		Dilution Factor: 1		Analysis Time...: 19:29		
Chromium	4.2	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR3E1AC
		Dilution Factor: 1		Analysis Time...: 19:29		
Lead	3.3	0.80	mg/kg	SW846 6010B	11/15-11/18/01	ENR3E1AG
		Dilution Factor: 1		Analysis Time...: 19:29		
Selenium	ND	1.3	mg/kg	SW846 6010B	11/15-11/18/01	ENR3E1AH
		Dilution Factor: 1		Analysis Time...: 19:29		

CAMERON-COLE LLC

Client Sample ID: B-67-0.5

TOTAL Metals

Lot-Sample #....: D1K120223-010

Date Sampled....: 11/08/01 16:50 Date Received...: 11/10/01

% Moisture.....: 7.5

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1318584						
Mercury	0.053	0.033	mg/kg	SW846 7471A	11/14-11/20/01	ENR3F1AJ
		Dilution Factor: 1		Analysis Time...: 02:21		
Prep Batch #....: 1319444						
Silver	ND	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR3F1AD
		Dilution Factor: 1		Analysis Time...: 19:34		
Arsenic	15.0	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR3F1AE
		Dilution Factor: 1		Analysis Time...: 19:34		
Barium	93.8	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR3F1AA
		Dilution Factor: 1		Analysis Time...: 19:34		
Cadmium	4.0	0.50	mg/kg	SW846 6010B	11/15-11/18/01	ENR3F1AF
		Dilution Factor: 1		Analysis Time...: 19:34		
Chromium	17.4	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR3F1AC
		Dilution Factor: 1		Analysis Time...: 19:34		
Lead	49.5	0.80	mg/kg	SW846 6010B	11/15-11/18/01	ENR3F1AG
		Dilution Factor: 1		Analysis Time...: 19:34		
Selenium	4.9	1.3	mg/kg	SW846 6010B	11/15-11/18/01	ENR3F1AH
		Dilution Factor: 1		Analysis Time...: 19:34		

CAMERON-COLE LLC

Client Sample ID: B-67-3

TOTAL Metals

Lot-Sample #....: D1K120223-011

Matrix.....: SOLID

Date Sampled....: 11/08/01 16:50 Date Received...: 11/10/01

% Moisture.....: 17

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1318584						
Mercury	ND	0.033	mg/kg	SW846 7471A	11/14-11/20/01	ENR3G1AJ
		Dilution Factor: 1		Analysis Time...: 02:22		
Prep Batch #....: 1319444						
Silver	ND	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR3G1AD
		Dilution Factor: 1		Analysis Time...: 19:39		
Arsenic	11.2	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR3G1AE
		Dilution Factor: 1		Analysis Time...: 19:39		
Barium	115	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR3G1AA
		Dilution Factor: 1		Analysis Time...: 19:39		
Cadmium	3.8	0.50	mg/kg	SW846 6010B	11/15-11/18/01	ENR3G1AC
		Dilution Factor: 1		Analysis Time...: 19:39		
Chromium	15.0	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR3G1AC
		Dilution Factor: 1		Analysis Time...: 19:39		
Lead	299	0.80	mg/kg	SW846 6010B	11/15-11/18/01	ENR3G1AG
		Dilution Factor: 1		Analysis Time...: 19:39		
Selenium	1.9	1.3	mg/kg	SW846 6010B	11/15-11/18/01	ENR3G1AH
		Dilution Factor: 1		Analysis Time...: 19:39		

CAMERON-COLE LLC

Client Sample ID: B-67-16

TOTAL Metals

Lot-Sample #...: D1K120223-012

Matrix.....: SOLID

Date Sampled...: 11/08/01 16:55 Date Received...: 11/10/01

% Moisture.....: 17

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1318584						
Mercury	ND	0.033	mg/kg	SW846 7471A	11/14-11/20/01	ENR3H1AJ
		Dilution Factor: 1		Analysis Time...: 02:24		
Prep Batch #....: 1319444						
Silver	ND	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR3H1AD
		Dilution Factor: 1		Analysis Time...: 19:55		
Arsenic	2.1	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR3H1AE
		Dilution Factor: 1		Analysis Time...: 19:55		
Barium	55.6	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR3H1AA
		Dilution Factor: 1		Analysis Time...: 19:55		
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/15-11/18/01	ENR3H1AF
		Dilution Factor: 1		Analysis Time...: 19:55		
Chromium	11.9	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENR3H1AC
		Dilution Factor: 1		Analysis Time...: 19:55		
Lead	6.1	0.80	mg/kg	SW846 6010B	11/15-11/18/01	ENR3H1AG
		Dilution Factor: 1		Analysis Time...: 19:55		
Selenium	ND	1.3	mg/kg	SW846 6010B	11/15-11/18/01	ENR3H1AH
		Dilution Factor: 1		Analysis Time...: 19:55		

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #....: D1K120223

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP- BATCH #
Arsenic	97	(87 - 107)			SW846 6010B	11/15-11/18/01	1319444
	99	(87 - 107)	2.1	(0-20)	SW846 6010B	11/15-11/18/01	1319444
		Dilution Factor: 1					
Barium	95	(86 - 114)			SW846 6010B	11/15-11/18/01	1319444
	97	(86 - 114)	1.6	(0-20)	SW846 6010B	11/15-11/18/01	1319444
		Dilution Factor: 1					
Cadmium	95	(89 - 109)			SW846 6010B	11/15-11/18/01	1319444
	97	(89 - 109)	2.1	(0-20)	SW846 6010B	11/15-11/18/01	1319444
		Dilution Factor: 1					
Chromium	98	(88 - 110)			SW846 6010B	11/15-11/18/01	1319444
	100	(88 - 110)	1.9	(0-20)	SW846 6010B	11/15-11/18/01	1319444
		Dilution Factor: 1					
Lead	97	(88 - 108)			SW846 6010B	11/15-11/18/01	1319444
	98	(88 - 108)	1.6	(0-20)	SW846 6010B	11/15-11/18/01	1319444
		Dilution Factor: 1					
Selenium	94	(86 - 107)			SW846 6010B	11/15-11/18/01	1319444
	97	(86 - 107)	2.6	(0-20)	SW846 6010B	11/15-11/18/01	1319444
		Dilution Factor: 1					
Silver	101	(88 - 108)			SW846 6010B	11/15-11/18/01	1319444
	102	(88 - 108)	1.5	(0-20)	SW846 6010B	11/15-11/18/01	1319444
		Dilution Factor: 1					

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #....: D1K120223

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Arsenic	200	194	mg/kg	97		SW846 6010B	11/15-11/18/01	1319444
	200	198	mg/kg	99	2.1	SW846 6010B	11/15-11/18/01	1319444
			Dilution Factor: 1					
Barium	200	190	mg/kg	95		SW846 6010B	11/15-11/18/01	1319444
	200	193	mg/kg	97	1.6	SW846 6010B	11/15-11/18/01	1319444
			Dilution Factor: 1					
Cadmium	5.00	4.73	mg/kg	95		SW846 6010B	11/15-11/18/01	1319444
	5.00	4.83	mg/kg	97	2.1	SW846 6010B	11/15-11/18/01	1319444
			Dilution Factor: 1					
Chromium	20.0	19.7	mg/kg	98		SW846 6010B	11/15-11/18/01	1319444
	20.0	20.1	mg/kg	100	1.9	SW846 6010B	11/15-11/18/01	1319444
			Dilution Factor: 1					
Lead	50.0	48.4	mg/kg	97		SW846 6010B	11/15-11/18/01	1319444
	50.0	49.2	mg/kg	98	1.6	SW846 6010B	11/15-11/18/01	1319444
			Dilution Factor: 1					
Selenium	200	188	mg/kg	94		SW846 6010B	11/15-11/18/01	1319444
	200	193	mg/kg	97	2.6	SW846 6010B	11/15-11/18/01	1319444
			Dilution Factor: 1					
Silver	5.00	5.04	mg/kg	101		SW846 6010B	11/15-11/18/01	1319444
	5.00	5.11	mg/kg	102	1.5	SW846 6010B	11/15-11/18/01	1319444
			Dilution Factor: 1					

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: D1K120223

Matrix.....: SOLID

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
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LCS Lot-Sample#: D1K140000-584 Prep Batch #....: 1318584

Mercury 91 (82 - 113) SW846 7471A 11/14-11/20/01 EN4JA1AC

Dilution Factor: 1

Analysis Time... 01:54

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D1K120223

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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LCS Lot-Sample#: D1K140000-584 Prep Batch #...: 1318584

Mercury	0.417	0.380	mg/kg	91	SW846 7471A	11/14-11/20/01	EN4JA1AC
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Dilution Factor: 1

Analysis Time...: 01:54

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: D1K120223

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D1K150000-444 Prep Batch #....: 1319444						
Arsenic	ND	1.0	mg/kg	SW846 6010B	11/15-11/18/01	EN2231AC
		Dilution Factor: 1				
		Analysis Time...: 17:49				
Barium	ND	1.0	mg/kg	SW846 6010B	11/15-11/18/01	EN2231DH
		Dilution Factor: 1				
		Analysis Time...: 17:49				
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/15-11/18/01	EN2231AF
		Dilution Factor: 1				
		Analysis Time...: 17:49				
Chromium	ND	1.0	mg/kg	SW846 6010B	11/15-11/18/01	EN2231DJ
		Dilution Factor: 1				
		Analysis Time...: 17:49				
Lead	ND	0.80	mg/kg	SW846 6010B	11/15-11/18/01	EN2231AK
		Dilution Factor: 1				
		Analysis Time...: 17:49				
Selenium	ND	1.3	mg/kg	SW846 6010B	11/15-11/18/01	EN2231AN
		Dilution Factor: 1				
		Analysis Time...: 17:49				
Silver	ND	1.0	mg/kg	SW846 6010B	11/15-11/18/01	EN2231AP
		Dilution Factor: 1				
		Analysis Time...: 17:49				

MB Lot-Sample #: D1K140000-584 Prep Batch #....: 1318584

Mercury	ND	0.033	mg/kg	SW846 7471A	11/14-11/20/01	EN4JA1AA
		Dilution Factor: 1				
		Analysis Time...: 01:53				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: D1K120223

Matrix.....: SOLID

Date Sampled....: 11/05/01 10:40 Date Received...: 11/08/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D1K090222-001 Prep Batch #....: 1319444						
Arsenic	93	(87 - 107)		SW846 6010B	11/15-11/18/01	ENM7M1CG
	91	(87 - 107) 2.1	(0-20)	SW846 6010B	11/15-11/18/01	ENM7M1CH
		Dilution Factor: 1				
		Analysis Time...: 18:15				
Barium	90	(86 - 114)		SW846 6010B	11/15-11/18/01	ENM7M1DW
	90	(86 - 114) 0.21	(0-20)	SW846 6010B	11/15-11/18/01	ENM7M1DX
		Dilution Factor: 1				
		Analysis Time...: 18:15				
Cadmium	90	(89 - 109)		SW846 6010B	11/15-11/18/01	ENM7M1CN
	89	(89 - 109) 0.91	(0-20)	SW846 6010B	11/15-11/18/01	ENM7M1CP
		Dilution Factor: 1				
		Analysis Time...: 18:15				
Chromium	90	(88 - 110)		SW846 6010B	11/15-11/18/01	ENM7M1D1
	92	(88 - 110) 1.6	(0-20)	SW846 6010B	11/15-11/18/01	ENM7M1D2
		Dilution Factor: 1				
		Analysis Time...: 18:15				
Lead	92	(88 - 108)		SW846 6010B	11/15-11/18/01	ENM7M1CX
	91	(88 - 108) 0.35	(0-20)	SW846 6010B	11/15-11/18/01	ENM7M1C0
		Dilution Factor: 1				
		Analysis Time...: 18:15				
Selenium	90	(86 - 107)		SW846 6010B	11/15-11/18/01	ENM7M1C5
	89	(86 - 107) 1.4	(0-20)	SW846 6010B	11/15-11/18/01	ENM7M1C6
		Dilution Factor: 1				
		Analysis Time...: 18:15				
Silver	92	(88 - 108)		SW846 6010B	11/15-11/18/01	ENM7M1C7
	89	(88 - 108) 3.7	(0-20)	SW846 6010B	11/15-11/18/01	ENM7M1C8
		Dilution Factor: 1				
		Analysis Time...: 18:15				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: D1K120223

Matrix.....: SOLID

Date Sampled....: 11/05/01 10:40 Date Received...: 11/08/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D1K090222-001 Prep Batch #....: 1319444									
Arsenic									
	1.4	218	204	mg/kg	93		SW846 6010B	11/15-11/18/01	ENM7M1CG
	1.4	218	200	mg/kg	91	2.1	SW846 6010B	11/15-11/18/01	ENM7M1CH
Dilution Factor: 1									
Analysis Time...: 18:15									
Barium									
	40.3	200	221	mg/kg	90		SW846 6010B	11/15-11/18/01	ENM7M1DW
	40.3	200	221	mg/kg	90	0.21	SW846 6010B	11/15-11/18/01	ENM7M1DX
Dilution Factor: 1									
Analysis Time...: 18:15									
Cadmium									
	ND	5.45	4.92	mg/kg	90		SW846 6010B	11/15-11/18/01	ENM7M1CN
	ND	5.45	4.88	mg/kg	89	0.91	SW846 6010B	11/15-11/18/01	ENM7M1CP
Dilution Factor: 1									
Analysis Time...: 18:15									
Chromium									
	4.8	20.0	22.9	mg/kg	90		SW846 6010B	11/15-11/18/01	ENM7M1D1
	4.8	20.0	23.3	mg/kg	92	1.6	SW846 6010B	11/15-11/18/01	ENM7M1D2
Dilution Factor: 1									
Analysis Time...: 18:15									
Lead									
	5.9	54.5	55.9	mg/kg	92		SW846 6010B	11/15-11/18/01	ENM7M1CX
	5.9	54.5	55.7	mg/kg	91	0.35	SW846 6010B	11/15-11/18/01	ENM7M1C0
Dilution Factor: 1									
Analysis Time...: 18:15									
Selenium									
	ND	218	197	mg/kg	90		SW846 6010B	11/15-11/18/01	ENM7M1C5
	ND	218	194	mg/kg	89	1.4	SW846 6010B	11/15-11/18/01	ENM7M1C6
Dilution Factor: 1									
Analysis Time...: 18:15									
Silver									
	ND	5.45	5.04	mg/kg	92		SW846 6010B	11/15-11/18/01	ENM7M1C7
	ND	5.45	4.86	mg/kg	89	3.7	SW846 6010B	11/15-11/18/01	ENM7M1C8
Dilution Factor: 1									
Analysis Time...: 18:15									

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D1K120223

Matrix.....: SOLID

Date Sampled...: 11/08/01 15:15 Date Received...: 11/10/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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MS Lot-Sample #: D1K120223-001 Prep Batch #...: 1318584

Mercury	76 N	(82 - 113)		SW846 7471A	11/14-11/20/01	ENR231AM
	85	(82 - 113)	7.9 (0-20)	SW846 7471A	11/14-11/20/01	ENR231AN

Dilution Factor: 1

Analysis Time...: 02:01

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: D1K120223

Matrix.....: SOLID

Date Sampled...: 11/08/01 15:15 Date Received...: 11/10/01

PARAMETER	AMOUNT	AMT	AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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MS Lot-Sample #: D1K120223-001 Prep Batch #....: 1318584

Mercury

0.16	0.417	0.476	N	mg/kg	76		SW846 7471A	11/14-11/20/01	ENR231AM
0.16	0.417	0.515		mg/kg	85	7.9	SW846 7471A	11/14-11/20/01	ENR231AN

Dilution Factor: 1

Analysis Time...: 02:01

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

QC DATA ASSOCIATION SUMMARY

DIK120223

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	SW846 7471A		1318584	1320075
	SOLID	SW846 6010B		1319444	1319214
	SOLID	MCAWW 160.3 MOD		1331247	1331107
002	SOLID	SW846 7471A		1318584	1320075
	SOLID	SW846 6010B		1319444	1319214
	SOLID	MCAWW 160.3 MOD		1331247	1331107
003	SOLID	SW846 7471A		1318584	1320075
	SOLID	SW846 6010B		1319444	1319214
	SOLID	MCAWW 160.3 MOD		1331247	1331107
004	SOLID	SW846 7471A		1318584	1320075
	SOLID	SW846 6010B		1319444	1319214
	SOLID	MCAWW 160.3 MOD		1331247	1331107
005	SOLID	SW846 7471A		1318584	1320075
	SOLID	SW846 6010B		1319444	1319214
	SOLID	MCAWW 160.3 MOD		1331247	1331107
006	SOLID	SW846 7471A		1318584	1320075
	SOLID	SW846 6010B		1319444	1319214
	SOLID	MCAWW 160.3 MOD		1331247	1331107
007	SOLID	SW846 7471A		1318584	1320075
	SOLID	SW846 6010B		1319444	1319214
	SOLID	MCAWW 160.3 MOD		1331247	1331107
008	SOLID	SW846 7471A		1318584	1320075
	SOLID	SW846 6010B		1319444	1319214
	SOLID	MCAWW 160.3 MOD		1331247	1331107
009	SOLID	SW846 7471A		1318584	1320075
	SOLID	SW846 6010B		1319444	1319214
	SOLID	MCAWW 160.3 MOD		1331247	1331107
010	SOLID	SW846 7471A		1318584	1320075
	SOLID	SW846 6010B		1319444	1319214
	SOLID	MCAWW 160.3 MOD		1331247	1331107
011	SOLID	SW846 7471A		1318584	1320075
	SOLID	SW846 6010B		1319444	1319214
	SOLID	MCAWW 160.3 MOD		1331247	1331107

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

D1K120223

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
012	SOLID	SW846 7471A		1318584	1320075
	SOLID	SW846 6010B		1319444	1319214
	SOLID	MCAWW 160.3 MOD		1331247	1331107
013	WATER	SW846 8260B		1324405	1324198
014	WATER	SW846 8260B		1324405	1324198
015	SOLID	SW846 8260B		1325482	1325238
	SOLID	SW846 8270C		1325202	1325071
	SOLID	MCAWW 160.3 MOD		1331247	1331107
016	SOLID	SW846 8260B		1325469	1325235
	SOLID	SW846 8270C		1325202	1325071
	SOLID	MCAWW 160.3 MOD		1331247	1331107
017	WATER	SW846 8260B		1324405	1324198

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K120223 Work Order #....: EPA3A1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: D1K200000-405 EPA3A1AD-LCSD
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324405 Analysis Time...: 10:16
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	102	(79 - 119)			SW846 8260B
	98	(79 - 119)	4.0	(0-20)	SW846 8260B
Benzene	108	(79 - 119)			SW846 8260B
	106	(79 - 119)	1.3	(0-20)	SW846 8260B
Chlorobenzene	89	(76 - 116)			SW846 8260B
	92	(76 - 116)	2.5	(0-20)	SW846 8260B
Toluene	101	(75 - 122)			SW846 8260B
	103	(75 - 122)	1.8	(0-20)	SW846 8260B
Trichloroethene	109	(81 - 121)			SW846 8260B
	110	(81 - 121)	0.89	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(80 - 120)
	103	(80 - 120)
1,2-Dichloroethane-d4	98	(72 - 127)
	99	(72 - 127)
4-Bromofluorobenzene	100	(79 - 119)
	99	(79 - 119)
Toluene-d8	98	(79 - 119)
	100	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K120223 Work Order #....: EPA3A1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: D1K200000-405 EPA3A1AD-LCSD
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324405 Analysis Time...: 10:16
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	10.2	ug/L	102		SW846 8260B
	10.0	9.79	ug/L	98	4.0	SW846 8260B
Benzene	10.0	10.8	ug/L	108		SW846 8260B
	10.0	10.6	ug/L	106	1.3	SW846 8260B
Chlorobenzene	10.0	8.95	ug/L	89		SW846 8260B
	10.0	9.17	ug/L	92	2.5	SW846 8260B
Toluene	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.3	ug/L	103	1.8	SW846 8260B
Trichloroethene	10.0	10.9	ug/L	109		SW846 8260B
	10.0	11.0	ug/L	110	0.89	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(80 - 120)
	103	(80 - 120)
1,2-Dichloroethane-d4	98	(72 - 127)
	99	(72 - 127)
4-Bromofluorobenzene	100	(79 - 119)
	99	(79 - 119)
Toluene-d8	98	(79 - 119)
	100	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K120223 Work Order #....: EPFAE1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: D1K210000-482 EPFAE1AD-LCSD
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325482 Analysis Time...: 10:30
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	94	(78 - 118)			SW846 8260B
	96	(78 - 118)	2.3	(0-25)	SW846 8260B
Benzene	103	(79 - 121)			SW846 8260B
	105	(79 - 121)	2.3	(0-25)	SW846 8260B
Chlorobenzene	82	(76 - 116)			SW846 8260B
	84	(76 - 116)	2.8	(0-25)	SW846 8260B
Toluene	83	(76 - 116)			SW846 8260B
	86	(76 - 116)	3.5	(0-25)	SW846 8260B
Trichloroethene	101	(83 - 123)			SW846 8260B
	104	(83 - 123)	3.1	(0-25)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(80 - 120)
	107	(80 - 120)
1,2-Dichloroethane-d4	102	(79 - 125)
	104	(79 - 125)
4-Bromofluorobenzene	93	(71 - 132)
	98	(71 - 132)
Toluene-d8	87	(77 - 117)
	91	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K120223 Work Order #....: EPFAE1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: D1K210000-482 EPFAE1AD-LCSD
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325482 Analysis Time...: 10:30
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	50.0	47.0	ug/kg	94		SW846 8260B
	50.0	48.1	ug/kg	96	2.3	SW846 8260B
Benzene	50.0	51.5	ug/kg	103		SW846 8260B
	50.0	52.6	ug/kg	105	2.3	SW846 8260B
Chlorobenzene	50.0	40.9	ug/kg	82		SW846 8260B
	50.0	42.1	ug/kg	84	2.8	SW846 8260B
Toluene	50.0	41.4	ug/kg	83		SW846 8260B
	50.0	42.9	ug/kg	86	3.5	SW846 8260B
Trichloroethene	50.0	50.4	ug/kg	101		SW846 8260B
	50.0	52.0	ug/kg	104	3.1	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(80 - 120)
	107	(80 - 120)
1,2-Dichloroethane-d4	102	(79 - 125)
	104	(79 - 125)
4-Bromofluorobenzene	93	(71 - 132)
	98	(71 - 132)
Toluene-d8	87	(77 - 117)
	91	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K120223 Work Order #....: EPE4M1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: D1K210000-469 EPE4M1AD-LCSD
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1325469 Analysis Time...: 11:17
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	97	(78 - 118)			SW846 8260B
	99	(78 - 118)	2.3	(0-25)	SW846 8260B
Benzene	106	(79 - 121)			SW846 8260B
	110	(79 - 121)	3.3	(0-25)	SW846 8260B
Chlorobenzene	89	(76 - 116)			SW846 8260B
	90	(76 - 116)	1.8	(0-25)	SW846 8260B
Toluene	89	(76 - 116)			SW846 8260B
	92	(76 - 116)	2.9	(0-25)	SW846 8260B
Trichloroethene	101	(83 - 123)			SW846 8260B
	108	(83 - 123)	6.9	(0-25)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(80 - 120)
	112	(80 - 120)
1,2-Dichloroethane-d4	103	(79 - 125)
	104	(79 - 125)
4-Bromofluorobenzene	102	(71 - 132)
	101	(71 - 132)
Toluene-d8	94	(77 - 117)
	95	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K120223 Work Order #....: EPE4M1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: D1K210000-469 EPE4M1AD-LCSD
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1325469 Analysis Time...: 11:17
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	50.0	48.5	ug/kg	97		SW846 8260B
	50.0	49.7	ug/kg	99	2.3	SW846 8260B
Benzene	50.0	53.1	ug/kg	106		SW846 8260B
	50.0	54.9	ug/kg	110	3.3	SW846 8260B
Chlorobenzene	50.0	44.3	ug/kg	89		SW846 8260B
	50.0	45.1	ug/kg	90	1.8	SW846 8260B
Toluene	50.0	44.5	ug/kg	89		SW846 8260B
	50.0	45.9	ug/kg	92	2.9	SW846 8260B
Trichloroethene	50.0	50.3	ug/kg	101		SW846 8260B
	50.0	53.9	ug/kg	108	6.9	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(80 - 120)
	112	(80 - 120)
1,2-Dichloroethane-d4	103	(79 - 125)
	104	(79 - 125)
4-Bromofluorobenzene	102	(71 - 132)
	101	(71 - 132)
Toluene-d8	94	(77 - 117)
	95	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K120223
MB Lot-Sample #: D1K200000-405

Work Order #....: EPA3A1AA

Matrix.....: WATER

Analysis Date...: 11/19/01
Dilution Factor: 1

Prep Date.....: 11/19/01
Prep Batch #....: 1324405

Analysis Time...: 10:59

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
Benzene	ND	1.0	ug/L		SW846 8260B
Bromobenzene	ND	1.0	ug/L		SW846 8260B
Bromochloromethane	ND	1.0	ug/L		SW846 8260B
Bromodichloromethane	ND	1.0	ug/L		SW846 8260B
Bromoform	ND	1.0	ug/L		SW846 8260B
Bromomethane	ND	2.0	ug/L		SW846 8260B
n-Butylbenzene	ND	1.0	ug/L		SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L		SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L		SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L		SW846 8260B
Chlorobenzene	ND	1.0	ug/L		SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L		SW846 8260B
Chloroethane	ND	2.0	ug/L		SW846 8260B
Chloroform	ND	1.0	ug/L		SW846 8260B
Chloromethane	ND	2.0	ug/L		SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L		SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L		SW846 8260B
Dibromomethane	ND	1.0	ug/L		SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L		SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L		SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L		SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L		SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L		SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L		SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L		SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L		SW846 8260B
trans-1,2-Dichloroethene	ND	0.50	ug/L		SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L		SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L		SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/L		SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L		SW846 8260B
Ethylbenzene	ND	1.0	ug/L		SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L		SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L		SW846 8260B
Isopropylbenzene	ND	1.0	ug/L		SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L		SW846 8260B
Methylene chloride	ND	1.0	ug/L		SW846 8260B
Naphthalene	ND	1.0	ug/L		SW846 8260B
n-Propylbenzene	ND	1.0	ug/L		SW846 8260B
Styrene	ND	1.0	ug/L		SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L		SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D1K120223

Work Order #...: EPA3A1AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L		SW846 8260B
Tetrachloroethene	ND	1.0	ug/L		SW846 8260B
Toluene	ND	1.0	ug/L		SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L		SW846 8260B
1,2,4-Trichloro- benzene	ND	1.0	ug/L		SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L		SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L		SW846 8260B
Trichloroethene	ND	1.0	ug/L		SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L		SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L		SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L		SW846 8260B
Vinyl chloride	ND	1.0	ug/L		SW846 8260B
o-Xylene	ND	1.0	ug/L		SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L		SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L		SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L		SW846 8260B
SURROGATE	PERCENT		RECOVERY		
	RECOVERY		LIMITS		
Dibromofluoromethane	103		(80 - 120)		
1,2-Dichloroethane-d4	100		(72 - 127)		
4-Bromofluorobenzene	101		(79 - 119)		
Toluene-d8	99		(79 - 119)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K120223
MB Lot-Sample #: D1K210000-482

Work Order #....: EPFAE1AA

Matrix.....: SOLID

Analysis Date...: 11/20/01
Dilution Factor: 1

Prep Date.....: 11/20/01

Prep Batch #....: 1325482

Analysis Time...: 11:23

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
sec-Butylbenzene	ND	5.0	ug/kg		SW846 8260B
Chloroethane	ND	10	ug/kg		SW846 8260B
Chloroform	ND	10	ug/kg		SW846 8260B
Chloromethane	ND	10	ug/kg		SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg		SW846 8260B
Benzene	ND	5.0	ug/kg		SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg		SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg		SW846 8260B
Chlorobenzene	ND	5.0	ug/kg		SW846 8260B
Chlorodibromomethane	ND	5.0	ug/kg		SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg		SW846 8260B
Dibromomethane	ND	5.0	ug/kg		SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg		SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg		SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg		SW846 8260B
Dichlorodifluoromethane	ND	10	ug/kg		SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg		SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg		SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg		SW846 8260B
cis-1,2-Dichloroethene	ND	2.5	ug/kg		SW846 8260B
trans-1,2-Dichloroethene	ND	2.5	ug/kg		SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg		SW846 8260B
1,3-Dichloropropane	ND	5.0	ug/kg		SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg		SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg		SW846 8260B
Ethylbenzene	ND	5.0	ug/kg		SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg		SW846 8260B
Hexachlorobutadiene	ND	5.0	ug/kg		SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg		SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg		SW846 8260B
Methylene chloride	ND	5.0	ug/kg		SW846 8260B
Naphthalene	ND	5.0	ug/kg		SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg		SW846 8260B
Styrene	ND	5.0	ug/kg		SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg		SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg		SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg		SW846 8260B
Toluene	ND	5.0	ug/kg		SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg		SW846 8260B
1,2,4-Trichloro- benzene	ND	5.0	ug/kg		SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K120223

Work Order #....: EPFAE1AA

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
Vinyl chloride	ND	5.0	ug/kg	SW846 8260B
o-Xylene	ND	2.5	ug/kg	SW846 8260B
m-Xylene & p-Xylene	ND	2.5	ug/kg	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS		
Dibromofluoromethane	113	(80 - 120)		
1,2-Dichloroethane-d4	110	(79 - 125)		
4-Bromofluorobenzene	102	(71 - 132)		
Toluene-d8	97	(77 - 117)		

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K120223
MB Lot-Sample #: D1K210000-469

Work Order #....: EPE4M1AA

Matrix.....: SOLID

Analysis Date...: 11/19/01
Dilution Factor: 1

Prep Date.....: 11/19/01
Prep Batch #....: 1325469

Analysis Time...: 12:10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Chlorodibromomethane	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Chloroform	ND	10	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
Dibromomethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	2.5	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	2.5	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,3-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
Naphthalene	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	5.0	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K120223

Work Order #....: EPE4M1AA

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trichloro- benzene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
Vinyl chloride	ND	5.0	ug/kg	SW846 8260B
o-Xylene	ND	2.5	ug/kg	SW846 8260B
m-Xylene & p-Xylene	ND	2.5	ug/kg	SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	SW846 8260B
SURROGATE	PERCENT		RECOVERY	
	RECOVERY		LIMITS	
Dibromofluoromethane	111		(80 - 120)	
1,2-Dichloroethane-d4	105		(79 - 125)	
4-Bromofluorobenzene	101		(71 - 132)	
Toluene-d8	96		(77 - 117)	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K120223 Work Order #....: ENP7G1DN-MS Matrix.....: WATER
 MS Lot-Sample #: D1K100172-007 ENP7G1DP-MSD
 Date Sampled....: 11/08/01 13:00 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324405 Analysis Time...: 14:28
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	93	(79 - 119)			SW846 8260B
	94	(79 - 119)	1.8	(0-20)	SW846 8260B
Benzene	101	(79 - 119)			SW846 8260B
	104	(79 - 119)	3.3	(0-20)	SW846 8260B
Chlorobenzene	87	(76 - 116)			SW846 8260B
	86	(76 - 116)	0.70	(0-20)	SW846 8260B
Toluene	96	(75 - 122)			SW846 8260B
	96	(75 - 122)	0.61	(0-20)	SW846 8260B
Trichloroethene	104	(81 - 121)			SW846 8260B
	107	(81 - 121)	2.6	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(80 - 120)
	105	(80 - 120)
1,2-Dichloroethane-d4	102	(72 - 127)
	106	(72 - 127)
4-Bromofluorobenzene	102	(79 - 119)
	102	(79 - 119)
Toluene-d8	100	(79 - 119)
	99	(79 - 119)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K120223 Work Order #....: ENP7G1DN-MS Matrix.....: WATER
 MS Lot-Sample #: D1K100172-007 ENP7G1DP-MSD
 Date Sampled....: 11/08/01 13:00 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324405 Analysis Time...: 14:28
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	10.0	9.27	ug/L	93		SW846 8260B
	ND	10.0	9.43	ug/L	94	1.8	SW846 8260B
Benzene	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	10.4	ug/L	104	3.3	SW846 8260B
Chlorobenzene	ND	10.0	8.67	ug/L	87		SW846 8260B
	ND	10.0	8.61	ug/L	86	0.70	SW846 8260B
Toluene	ND	10.0	9.57	ug/L	96		SW846 8260B
	ND	10.0	9.62	ug/L	96	0.61	SW846 8260B
Trichloroethene	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	10.7	ug/L	107	2.6	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(80 - 120)
	105	(80 - 120)
1,2-Dichloroethane-d4	102	(72 - 127)
	106	(72 - 127)
4-Bromofluorobenzene	102	(79 - 119)
	102	(79 - 119)
Toluene-d8	100	(79 - 119)
	99	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K120223 Work Order #....: EN3AJ1A8-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K150281-001 EN3AJ1A9-MSD
 Date Sampled....: 11/12/01 08:15 Date Received...: 11/14/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325482 Analysis Time...: 12:24
 Dilution Factor: 1 % Moisture.....: 0.0

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	99	(78 - 118)			SW846 8260B
	90	(78 - 118)	9.1	(0-25)	SW846 8260B
Benzene	105	(79 - 121)			SW846 8260B
	95	(79 - 121)	9.7	(0-25)	SW846 8260B
Chlorobenzene	83	(76 - 116)			SW846 8260B
	76	(76 - 116)	9.4	(0-25)	SW846 8260B
Toluene	88	(76 - 116)			SW846 8260B
	80	(76 - 116)	9.5	(0-25)	SW846 8260B
Trichloroethene	105	(83 - 123)			SW846 8260B
	91	(83 - 123)	14	(0-25)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	114	(80 - 120)
	102	(80 - 120)
1,2-Dichloroethane-d4	110	(79 - 125)
	102	(79 - 125)
4-Bromofluorobenzene	101	(71 - 132)
	90	(71 - 132)
Toluene-d8	94	(77 - 117)
	88	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K120223 Work Order #....: EN3AJ1A8-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K150281-001 EN3AJ1A9-MSD
 Date Sampled....: 11/12/01 08:15 Date Received...: 11/14/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325482 Analysis Time...: 12:24
 Dilution Factor: 1 % Moisture.....: 0.0

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	50.0	49.3	ug/kg	99		SW846 8260B
	ND	50.0	45.0	ug/kg	90	9.1	SW846 8260B
Benzene	ND	50.0	52.6	ug/kg	105		SW846 8260B
	ND	50.0	47.7	ug/kg	95	9.7	SW846 8260B
Chlorobenzene	ND	50.0	41.7	ug/kg	83		SW846 8260B
	ND	50.0	38.0	ug/kg	76	9.4	SW846 8260B
Toluene	ND	50.0	48.2	ug/kg	88		SW846 8260B
	ND	50.0	43.9	ug/kg	80	9.5	SW846 8260B
Trichloroethene	ND	50.0	52.3	ug/kg	105		SW846 8260B
	ND	50.0	45.3	ug/kg	91	14	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	114	(80 - 120)
	102	(80 - 120)
1,2-Dichloroethane-d4	110	(79 - 125)
	102	(79 - 125)
4-Bromofluorobenzene	101	(71 - 132)
	90	(71 - 132)
Toluene-d8	94	(77 - 117)
	88	(77 - 117)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K120223 Work Order #....: ENQ511AN-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K120137-022 ENQ511AP-MSD
 Date Sampled....: 11/07/01 10:40 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1325469 Analysis Time...: 13:11
 Dilution Factor: 1 % Moisture.....: 6.3

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	93	(78 - 118)			SW846 8260B
	101	(78 - 118)	8.6	(0-25)	SW846 8260B
Benzene	99	(79 - 121)			SW846 8260B
	109	(79 - 121)	9.9	(0-25)	SW846 8260B
Chlorobenzene	80	(76 - 116)			SW846 8260B
	87	(76 - 116)	8.8	(0-25)	SW846 8260B
Toluene	80	(76 - 116)			SW846 8260B
	89	(76 - 116)	10	(0-25)	SW846 8260B
Trichloroethene	96	(83 - 123)			SW846 8260B
	108	(83 - 123)	12	(0-25)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(80 - 120)
	113	(80 - 120)
1,2-Dichloroethane-d4	102	(79 - 125)
	109	(79 - 125)
4-Bromofluorobenzene	96	(71 - 132)
	101	(71 - 132)
Toluene-d8	88	(77 - 117)
	94	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K120223 Work Order #....: ENQ511AN-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K120137-022 ENQ511AP-MSD
 Date Sampled....: 11/07/01 10:40 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1325469 Analysis Time...: 13:11
 Dilution Factor: 1 % Moisture.....: 6.3

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	50.0	46.3	ug/kg	93		SW846 8260B
	ND	50.0	50.5	ug/kg	101	8.6	SW846 8260B
Benzene	ND	50.0	49.3	ug/kg	99		SW846 8260B
	ND	50.0	54.5	ug/kg	109	9.9	SW846 8260B
Chlorobenzene	ND	50.0	40.0	ug/kg	80		SW846 8260B
	ND	50.0	43.6	ug/kg	87	8.8	SW846 8260B
Toluene	ND	50.0	40.2	ug/kg	80		SW846 8260B
	ND	50.0	44.4	ug/kg	89	10	SW846 8260B
Trichloroethene	ND	50.0	48.1	ug/kg	96		SW846 8260B
	ND	50.0	54.2	ug/kg	108	12	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(80 - 120)
	113	(80 - 120)
1,2-Dichloroethane-d4	102	(79 - 125)
	109	(79 - 125)
4-Bromofluorobenzene	96	(71 - 132)
	101	(71 - 132)
Toluene-d8	88	(77 - 117)
	94	(77 - 117)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #....: D1K120223 Work Order #....: EPDK41AC Matrix.....: SOLID
 LCS Lot-Sample#: D1K210000-202
 Prep Date.....: 11/21/01 Analysis Date...: 11/25/01
 Prep Batch #....: 1325202 Analysis Time...: 15:45
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	71	(49 - 93)	SW846 8270C
Pyrene	74	(48 - 97)	SW846 8270C
4-Chloro-3-methylphenol	73	(52 - 93)	SW846 8270C
2-Chlorophenol	74	(51 - 91)	SW846 8270C
1,4-Dichlorobenzene	67	(46 - 86)	SW846 8270C
2,4-Dinitrotoluene	73	(53 - 105)	SW846 8270C
4-Nitrophenol	68	(29 - 115)	SW846 8270C
N-Nitrosodi-n-propyl- amine	71	(46 - 86)	SW846 8270C
Pentachlorophenol	68	(27 - 97)	SW846 8270C
Phenol	74	(50 - 90)	SW846 8270C
1,2,4-Trichloro- benzene	70	(49 - 90)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	74	(34 - 97)
Phenol-d5	74	(39 - 90)
Nitrobenzene-d5	73	(33 - 97)
2-Fluorobiphenyl	72	(39 - 91)
2,4,6-Tribromophenol	71	(29 - 95)
Terphenyl-d14	79	(30 - 102)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #....: D1K120223 Work Order #....: EPDK41AC Matrix.....: SOLID
 LCS Lot-Sample#: D1K210000-202
 Prep Date.....: 11/21/01 Analysis Date...: 11/25/01
 Prep Batch #....: 1325202 Analysis Time...: 15:45
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Acenaphthene	3330	2370	ug/kg	71	SW846 8270C
Pyrene	3330	2460	ug/kg	74	SW846 8270C
4-Chloro-3-methylphenol	5000	3650	ug/kg	73	SW846 8270C
2-Chlorophenol	5000	3720	ug/kg	74	SW846 8270C
1,4-Dichlorobenzene	3330	2240	ug/kg	67	SW846 8270C
2,4-Dinitrotoluene	3330	2430	ug/kg	73	SW846 8270C
4-Nitrophenol	5000	3390	ug/kg	68	SW846 8270C
N-Nitrosodi-n-propyl- amine	3330	2370	ug/kg	71	SW846 8270C
Pentachlorophenol	5000	3400	ug/kg	68	SW846 8270C
Phenol	5000	3680	ug/kg	74	SW846 8270C
1,2,4-Trichloro- benzene	3330	2330	ug/kg	70	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	74	(34 - 97)
Phenol-d5	74	(39 - 90)
Nitrobenzene-d5	73	(33 - 97)
2-Fluorobiphenyl	72	(39 - 91)
2,4,6-Tribromophenol	71	(29 - 95)
Terphenyl-d14	79	(30 - 102)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #....: D1K120223
MB Lot-Sample #: D1K210000-202

Work Order #....: EPDK41AA

Matrix.....: SOLID

Analysis Date...: 11/25/01
Dilution Factor: 1

Prep Date.....: 11/21/01

Analysis Time...: 15:22

Prep Batch #....: 1325202

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	330	ug/kg	SW846 8270C
Acenaphthylene	ND	330	ug/kg	SW846 8270C
Anthracene	ND	330	ug/kg	SW846 8270C
Benzo(a)anthracene	ND	330	ug/kg	SW846 8270C
Benzo(b)fluoranthene	ND	330	ug/kg	SW846 8270C
Benzo(k)fluoranthene	ND	330	ug/kg	SW846 8270C
Benzo(ghi)perylene	ND	330	ug/kg	SW846 8270C
Benzo(a)pyrene	ND	330	ug/kg	SW846 8270C
Chrysene	ND	330	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	ND	330	ug/kg	SW846 8270C
Fluoranthene	ND	330	ug/kg	SW846 8270C
Fluorene	ND	330	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	SW846 8270C
Naphthalene	ND	330	ug/kg	SW846 8270C
Phenanthrene	ND	330	ug/kg	SW846 8270C
Pyrene	ND	330	ug/kg	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	SW846 8270C
Dimethyl phthalate	ND	330	ug/kg	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(34 - 97)
Phenol-d5	69	(39 - 90)
Nitrobenzene-d5	70	(33 - 97)
2-Fluorobiphenyl	68	(39 - 91)
2,4,6-Tribromophenol	63	(29 - 95)
Terphenyl-d14	76	(30 - 102)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #....: D1K120223 Work Order #....: ENQ141AP-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K120137-004 ENQ141AQ-MSD
 Date Sampled....: 11/09/01 09:20 Date Received...: 11/10/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/25/01
 Prep Batch #....: 1325202 Analysis Time...: 18:04
 Dilution Factor: 1 % Moisture.....: 18

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	66	(49 - 93)			SW846 8270C
	66	(49 - 93)	0.42	(0-40)	SW846 8270C
Pyrene	64	(48 - 97)			SW846 8270C
	68	(48 - 97)	7.0	(0-40)	SW846 8270C
4-Chloro-3-methylphenol	67	(52 - 93)			SW846 8270C
	68	(52 - 93)	0.72	(0-40)	SW846 8270C
2-Chlorophenol	68	(51 - 91)			SW846 8270C
	69	(51 - 91)	1.6	(0-36)	SW846 8270C
1,4-Dichlorobenzene	62	(46 - 86)			SW846 8270C
	61	(46 - 86)	2.5	(0-40)	SW846 8270C
2,4-Dinitrotoluene	70	(53 - 105)			SW846 8270C
	66	(53 - 105)	5.6	(0-40)	SW846 8270C
4-Nitrophenol	58	(29 - 115)			SW846 8270C
	60	(29 - 115)	3.2	(0-40)	SW846 8270C
N-Nitrosodi-n-propyl- amine	67	(46 - 86)			SW846 8270C
	67	(46 - 86)	0.60	(0-40)	SW846 8270C
Pentachlorophenol	60	(27 - 97)			SW846 8270C
	64	(27 - 97)	6.1	(0-40)	SW846 8270C
Phenol	67	(50 - 90)			SW846 8270C
	67	(50 - 90)	0.48	(0-37)	SW846 8270C
1,2,4-Trichloro- benzene	63	(49 - 90)			SW846 8270C
	63	(49 - 90)	1.2	(0-40)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	68	(34 - 97)
	66	(34 - 97)
Phenol-d5	67	(39 - 90)
	65	(39 - 90)
Nitrobenzene-d5	66	(33 - 97)
	67	(33 - 97)
2-Fluorobiphenyl	65	(39 - 91)
	65	(39 - 91)
2,4,6-Tribromophenol	68	(29 - 95)
	67	(29 - 95)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #....: D1K120223 Work Order #....: ENQ141AP-MS Matrix.....: SOLID
MS Lot-Sample #: D1K120137-004 ENQ141AQ-MSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Terphenyl-d14	66	(30 - 102)
	67	(30 - 102)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #....: D1K120223 Work Order #....: ENQ141AP-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K120137-004 ENQ141AQ-MSD
 Date Sampled....: 11/09/01 09:20 Date Received...: 11/10/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/25/01
 Prep Batch #....: 1325202 Analysis Time...: 18:04
 Dilution Factor: 1 % Moisture.....: 18

PARAMETER	SAMPLE SPIKE MEASRD				PERCENT		
	AMOUNT	AMT	AMOUNT	UNITS	RECOVERY	RPD	METHOD
Acenaphthene	ND	3330	2210	ug/kg	66		SW846 8270C
	ND	3330	2200	ug/kg	66	0.42	SW846 8270C
Pyrene	ND	3330	2120	ug/kg	64		SW846 8270C
	ND	3330	2280	ug/kg	68	7.0	SW846 8270C
4-Chloro-3-methylphenol	ND	5000	3360	ug/kg	67		SW846 8270C
	ND	5000	3380	ug/kg	68	0.72	SW846 8270C
2-Chlorophenol	ND	5000	3380	ug/kg	68		SW846 8270C
	ND	5000	3440	ug/kg	69	1.6	SW846 8270C
1,4-Dichlorobenzene	ND	3330	2070	ug/kg	62		SW846 8270C
	ND	3330	2020	ug/kg	61	2.5	SW846 8270C
2,4-Dinitrotoluene	ND	3330	2320	ug/kg	70		SW846 8270C
	ND	3330	2190	ug/kg	66	5.6	SW846 8270C
4-Nitrophenol	ND	5000	2920	ug/kg	58		SW846 8270C
	ND	5000	3010	ug/kg	60	3.2	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	3330	2250	ug/kg	67		SW846 8270C
	ND	3330	2240	ug/kg	67	0.60	SW846 8270C
Pentachlorophenol	ND	5000	3010	ug/kg	60		SW846 8270C
	ND	5000	3200	ug/kg	64	6.1	SW846 8270C
Phenol	ND	5000	3330	ug/kg	67		SW846 8270C
	ND	5000	3350	ug/kg	67	0.48	SW846 8270C
1,2,4-Trichloro-benzene	ND	3330	2110	ug/kg	63		SW846 8270C
	ND	3330	2080	ug/kg	63	1.2	SW846 8270C

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
2-Fluorophenol	68	(34 - 97)
	66	(34 - 97)
Phenol-d5	67	(39 - 90)
	65	(39 - 90)
Nitrobenzene-d5	66	(33 - 97)
	67	(33 - 97)
2-Fluorobiphenyl	65	(39 - 91)
	65	(39 - 91)
2,4,6-Tribromophenol	68	(29 - 95)
	67	(29 - 95)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D1K120223 Work Order #...: ENQ141AP-MS Matrix.....: SOLID
MS Lot-Sample #: D1K120137-004 ENQ141AQ-MSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Terphenyl-d14	66	(30 - 102)
	67	(30 - 102)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

HOLD TIME REPORT

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GCMS VOA

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K120223013	B-79-20	11/08/01	13:35							
			8260B		11		14		11/19/01 11:33	VOA
D1K120223014	B-81-20	11/08/01	14:30							
			8260B		11		14		11/19/01 11:54	VOA
D1K120223015	B-100-4	11/09/01	13:30							
			8260B		11		14		11/20/01 20:34	VOA
D1K120223016	B-100-15	11/09/01	13:45							
			8260B		10		14		11/19/01 19:38	VOA
D1K120223017	B-102-18	11/09/01	14:50							
			8260B		10		14		11/19/01 12:16	VOA

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GCMS SEMIVOA

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K120223015	B-100-4	11/09/01 13:30	8270C	12	4	14	40	11/21/01 08:30	11/25/01 20:45	BNAs
D1K120223016	B-100-15	11/09/01 13:45	8270C	12	4	14	40	11/21/01 08:30	11/25/01 21:08	BNAs

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: METALS

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K120223001	B-64-0.5	11/08/01	15:15							
			6010B		10		180		11/18/01 18:36	ICP
			6010B		10		180		11/18/01 18:36	ICP
			7471A		12		28		11/20/01 01:59	
D1K120223002	B-64-3	11/08/01	15:20							
			6010B		10		180		11/18/01 18:52	ICP
			6010B		10		180		11/18/01 18:52	ICP
			7471A		12		28		11/20/01 02:04	
D1K120223003	B-64-16	11/08/01	15:30							
			6010B		10		180		11/18/01 18:57	ICP
			6010B		10		180		11/18/01 18:57	ICP
			7471A		12		28		11/20/01 02:06	
D1K120223004	B-65-0.5	11/08/01	15:40							
			6010B		10		180		11/18/01 19:02	ICP
			6010B		10		180		11/18/01 19:02	ICP
			7471A		12		28		11/20/01 02:07	
D1K120223005	B-65-3	11/08/01	15:40							
			6010B		10		180		11/18/01 19:08	ICP
			6010B		10		180		11/18/01 19:08	ICP
			7471A		12		28		11/20/01 02:09	
D1K120223006	B-65-16	11/08/01	15:55							
			6010B		10		180		11/18/01 19:13	ICP
			6010B		10		180		11/18/01 19:13	ICP
			7471A		12		28		11/20/01 02:11	
D1K120223007	B-66-0.5	11/08/01	16:30							
			6010B		10		180		11/18/01 19:18	ICP
			6010B		10		180		11/18/01 19:18	ICP
			7471A		12		28		11/20/01 02:12	
D1K120223008	B-66-3	11/08/01	16:30							
			6010B		10		180		11/18/01 19:23	ICP
			6010B		10		180		11/18/01 19:23	ICP
			7471A		12		28		11/20/01 02:14	
D1K120223009	B-66-16	11/08/01	16:40							
			6010B		10		180		11/18/01 19:29	ICP
			6010B		10		180		11/18/01 19:29	ICP
			7471A		12		28		11/20/01 02:19	
D1K120223010	B-67-0.5	11/08/01	16:50							
			6010B		10		180		11/18/01 19:34	ICP
			6010B		10		180		11/18/01 19:34	ICP
			7471A		12		28		11/20/01 02:21	

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: METALS

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
DLK120223011	B-67-3	11/08/01	16:50							
			6010B		10		180		11/18/01 19:39	ICP
			6010B		10		180		11/18/01 19:39	ICP
			7471A		12		28		11/20/01 02:22	
DLK120223012	B-67-16	11/08/01	16:55							
			6010B		10		180		11/18/01 19:55	ICP
			6010B		10		180		11/18/01 19:55	ICP
			7471A		12		28		11/20/01 02:24	

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GENERAL CHEMISTRY

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K120223001	B-64-0.5	11/08/01	15:15							
			160.3 MOD		18		99		11/26/01	15:00
D1K120223002	B-64-3	11/08/01	15:20							
			160.3 MOD		18		99		11/26/01	15:00
D1K120223003	B-64-16	11/08/01	15:30							
			160.3 MOD		18		99		11/26/01	15:00
D1K120223004	B-65-0.5	11/08/01	15:40							
			160.3 MOD		18		99		11/26/01	15:00
D1K120223005	B-65-3	11/08/01	15:40							
			160.3 MOD		18		99		11/26/01	15:00
D1K120223006	B-65-16	11/08/01	15:55							
			160.3 MOD		18		99		11/26/01	15:00
D1K120223007	B-66-0.5	11/08/01	16:30							
			160.3 MOD		18		99		11/26/01	15:00
D1K120223008	B-66-3	11/08/01	16:30							
			160.3 MOD		18		99		11/26/01	15:00
D1K120223009	B-66-16	11/08/01	16:40							
			160.3 MOD		18		99		11/26/01	15:00
D1K120223010	B-67-0.5	11/08/01	16:50							
			160.3 MOD		18		99		11/26/01	15:00
D1K120223011	B-67-3	11/08/01	16:50							
			160.3 MOD		18		99		11/26/01	15:00
D1K120223012	B-67-16	11/08/01	16:55							
			160.3 MOD		18		99		11/26/01	15:00
D1K120223015	B-100-4	11/09/01	13:30							
			160.3 MOD		17		99		11/26/01	15:00
D1K120223016	B-100-15	11/09/01	13:45							
			160.3 MOD		17		99		11/26/01	15:00

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Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

Severn Trent Laboratories, Inc.

[illegible]

NOV 12 '01 15:10 FROM CAMERON-COLE BOULDER TO 93034328925 F.UZ

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

Severn Trent Laboratories, Inc.

STL-4100 (1/90) DSH (8/90)

Client: Safety-Kleen (Wichita) Inc. Facility Project Manager: Kay Tauscher (Cameron - Cole) * Date: 11/12/01 Chain of Custody Number: 090684

Address: 2549 North New York Avenue Telephone Number (Area Code) / Fax Number: 303-938-5525 / 303-938-5520 Lab Number: _____

City: Wichita State: KS Zip Code: 67219 Site Contact: Russell Ryan Lab Contact: Kae Yoder Page: 2 of 2

City	Wichita		State	Ks	Zip Code	67219		Site Contact	Rural Dean		Lab Contact	Kae Yoder		Analysis (Attach list if more space is needed)										Special Instructions/ Conditions of Receipt																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Dispose By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify): _____

1. Relinquished By: <u>Theresa N. Coates</u>	Date: _____ Time: _____	1. Received By: _____	Date: _____ Time: _____
2. Relinquished By: _____	Date: _____ Time: _____	2. Received By: _____	Date: _____ Time: _____
3. Relinquished By: _____	Date: _____ Time: _____	3. Received By: _____	Date: _____ Time: _____

Comments: * Please call Kay Tauscher immediately with any questions

**SEVERN
TRENT
SERVICES**

STL Denver
4955 Yarrow Street
Arvada, CO 80002-4517

Tel: 303 736 0100
Fax: 303 431 7171
www.stl-inc.com

ANALYTICAL REPORT
REVISED

SAFETY KLEEN (WICHITA, KS)

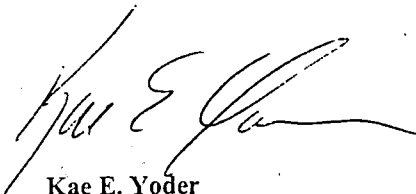
Lot #: D1K120155

Kay Tauscher

**Cameron-Cole LLC
5777 Central Avenue, Suite 100
Boulder, CO 80301**

cc: Will Huskie
cc: John Arbuthnot

SEVERN TRENT LABORATORIES, INC.



**Kae E. Yoder
Project Manager**

January 15, 2002

This report shall not be reproduced except in full, without the written approval of the laboratory

Table Of Contents

Standard Deliverables

Report Contents

Total Number of Pages

Standard Deliverables

The Cover Letter and the Report Cover page are considered integral parts of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.

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- Table of Contents
- Case Narrative
- Executive Summary – Detection Highlights
- Methods Summary
- Method/Analyst Summary
- Lot Sample Summary
- Analytical Results
- QC Data Association Summary
- Hold Time Report
- Chain-of-Custody

CASE NARRATIVE

REVISED

Client Name: Safety-Kleen (Wichita)
 Project Name:
 Project Number:
 Sample Delivery Group: D1K120155
 Original Narrative Date: 12/04/01
 Revised Narrative Date: 01/15/02

Sample Receipt

- Twenty-one solid samples and two water samples, submitted by Safety-Kleen (Wichita), Inc., were received by STL Denver on November 10, 2001, according to documented sample acceptance procedures. The samples were received intact at temperatures of 2.7°C, 4.5°C and 3.8°C. Analyses requested on the associated chains-of-custody are as follows: GC/MS Volatiles, GC/MS Semivolatiles and Total Metals.
- Discrepancies were noted between the analyses requested on the chains-of-custody and the analyses requested on the sample container labels. As instructed by the client on November 12, 2001, analyses were performed per the chain-of-custody. No other anomalies were encountered during sample receipt.

GC/MS Volatiles

- Sample analysis did not reveal any detected target analytes at or above Safety-Kleen (Wichita)'s RLs, with the exception of the items noted in the following table.

Sample ID	Parameter	Detection	RL	Units
B-76-4	Tetrachloroethene	610	25	ug/kg
B-76-16	Tetrachloroethene	5800	250	ug/kg
B-57-15	Ethylbenzene	35	5.0	ug/kg
	m-Xylene & p-Xylene	150	2.5	ug/kg
	o-Xylene	50	2.5	ug/kg
B-58-4	Tetrachloroethene	16	5.0	ug/kg
B-52-15	n-Butylbenzene	400	250	ug/kg
	Napthalene	310	250	ug/kg
	n-Propylbenzene	370	250	ug/kg
	1,2,4-Trimethylbenzene	2400	250	ug/kg
	1,3,5-Trimethylbenzene	510	250	ug/kg
B-49-4	cis-1,2-Dichloroethene	2.9	2.5	ug/kg
	Tetrachloroethene	33	5.0	ug/kg
	Trichloroethene	6.8	5.0	ug/kg
B-49-15	Tetrachloroethene	11	5.0	ug/kg
B-55-3	Tetrachloroethene	27	5.0	ug/kg
	Trichloroethene	15	5.0	ug/kg
B-45-4	Tetrachloroethene	200	5.0	ug/kg
B-45-14	Tetrachloroethene	490	25	ug/kg
B-45-15	Tetrachloroethene	300	13	ug/L
	1,1,1-Trichloroethane	47	13	ug/L
	Trichloroethene	20	13	ug/L
B-46-2	Tetrachloroethene	28000	1200	ug/kg
B-46-13	Tetrachloroethene	690	25	ug/kg
B-46-17	Tetrachloroethene	1300	40	ug/L
	Trichloroethene	40	40	ug/L

- The samples were analyzed within holding time and without incident, with the exception of the following items noted.

- Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. Due to matrix interference, samples B-76-16, B-52-15 and B-46-2 had to be analyzed using the medium-level methanol preparation procedure. The reporting limits have been adjusted accordingly.
- Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. In some cases, due to analytes present above the linear calibration curve, samples had to be analyzed at a dilution. For samples analyzed at a dilution, the reporting limits have been adjusted relative to the dilution required. The following table details the associated dilutions.

Sample ID	Dilution
B-76-4	1:5
B-45-14	1:5
B-45-15	1:13.33
B-46-2	1:4.75
B-46-13	1:5
B-46-17	1:40

- Client specific, as well as, standard batch MS/MSD has been provided. All spike parameters were within QC control limits with the exception of the items noted in the following table. Method precision and accuracy have been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

QC Batch/ Specific Sample	Parameter	MS %Rec	MSD %Rec	Recovery Limits	RPD	RPD Limits
QC Batch 1323350	1,1-Dichloroethene	72	69	78-118	4.9	0-25
	Benzene	67	66	79-121	1.5	0-25
	Chlorobenzene	61	62	76-116	1.6	0-25
	Toluene	63	62	76-116	0.51	0-25
	Trichloroethene	67	65	83-123	3.7	0-25
B-57-15	1,1-Dichloroethene	68	70	78-118	2.2	0-25
	Benzene	64	68	79-121	5.0	0-25
	Chlorobenzene	60	62	76-116	3.6	0-25
	Toluene	59	64	76-116	7.6	0-25
	Trichloroethene	67	67	83-123	0.49	0-25

GC/MS Semivolatiles

- Sample analysis did not reveal any detected target analytes at or above Safety-Kleen (Wichita)'s RLs. The samples were analyzed within holding time and without incident.

Total Metals

- Sample analysis revealed detectable concentrations at or above Safety-Kleen (Wichita)'s RLs, as detailed in the Executive Summary-Detection Highlights Report. The sample was analyzed within holding time and without incident.

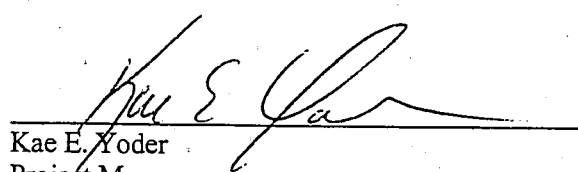
Revisions

The revisions included in this report are as follows:

1. GC/MS Semivolatiles – Additional compounds, bis (2-Ethylhexyl) phthalate and Dimethyl phthalate, have been reported for samples B-49-4 and B-49-15, as requested.
2. GC/MS Semivolatiles – As requested, the laboratory looked for any detectable concentrations present above the method detection limit (MDL) but below the reporting limit. None were found. The MDLs have been printed on the analytical data pages.

These data and reporting limits are being used specifically to meet the needs of this project. All RLs are supported by STL Denver's Method Detection Limits (MDLs). Reporting limits in this report are at or above the MDL.

I certify that the data presented in this report are accurate, complete, and meets the minimum quality assurance standards in 40-CFR 136, 40-CFR 141, and/or SW846. The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. An assessment of the quality of the data, noting any exceptions, outliers, and/or problems encountered have been narrated herein.


Kae E. Yoder
Project Manager

11/15/02
Date

EXECUTIVE SUMMARY - Detection Highlights

D1K120155

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
B-70-18 11/07/01 11:45 001				
Lead	1.5	0.80	mg/kg	SW846 6010B
Barium	16.6	1.0	mg/kg	SW846 6010B
Chromium	1.4	1.0	mg/kg	SW846 6010B
Percent Moisture	3.5	0.10	%	MCAWW 160.3 MOD
B-76-4 11/07/01 13:30 002				
Tetrachloroethene	610	25	ug/kg	SW846 8260B
Percent Moisture	20.8	0.10	%	MCAWW 160.3 MOD
B-76-16 11/07/01 13:50 003				
Tetrachloroethene	5800	250	ug/kg	SW846 8260B
Percent Moisture	14.2	0.10	%	MCAWW 160.3 MOD
B-57-4 11/07/01 14:04 004				
Percent Moisture	17.7	0.10	%	MCAWW 160.3 MOD
B-57-15 11/07/01 14:20 005				
Ethylbenzene	35	5.0	ug/kg	SW846 8260B
m-Xylene & p-Xylene	150	2.5	ug/kg	SW846 8260B
o-Xylene	50	2.5	ug/kg	SW846 8260B
Percent Moisture	14.7	0.10	%	MCAWW 160.3 MOD
B-58-4 11/07/01 14:45 006				
Tetrachloroethene	16	5.0	ug/kg	SW846 8260B
Percent Moisture	18.2	0.10	%	MCAWW 160.3 MOD
B-58-16 11/07/01 15:00 007				
Percent Moisture	17.9	0.10	%	MCAWW 160.3 MOD
B-52-4 11/07/01 15:20 008				
Percent Moisture	19.4	0.10	%	MCAWW 160.3 MOD

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D1K120155

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
B-52-15 11/07/01 15:35 009				
n-Butylbenzene	400	250	ug/kg	SW846 8260B
Naphthalene	310	250	ug/kg	SW846 8260B
n-Propylbenzene	370	250	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	2400	250	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	510	250	ug/kg	SW846 8260B
Percent Moisture	2.7	0.10	%	MCAWW 160.3 MOD
B-51-4 11/07/01 15:45 010				
Percent Moisture	17.3	0.10	%	MCAWW 160.3 MOD
B-51-15 11/07/01 15:55 011				
Percent Moisture	13.4	0.10	%	MCAWW 160.3 MOD
B-49-4 11/07/01 16:20 012				
cis-1,2-Dichloroethene	2.9	2.5	ug/kg	SW846 8260B
Tetrachloroethene	33	5.0	ug/kg	SW846 8260B
Trichloroethene	6.8	5.0	ug/kg	SW846 8260B
Percent Moisture	17.1	0.10	%	MCAWW 160.3 MOD
B-49-15 11/07/01 16:35 013				
Tetrachloroethene	11	5.0	ug/kg	SW846 8260B
Percent Moisture	18.3	0.10	%	MCAWW 160.3 MOD
B-55-17 11/06/01 16:15 014				
Percent Moisture	14.5	0.10	%	MCAWW 160.3 MOD
B-55-3 11/06/01 15:30 015				
Tetrachloroethene	27	5.0	ug/kg	SW846 8260B
Trichloroethene	15	5.0	ug/kg	SW846 8260B
Percent Moisture	16.5	0.10	%	MCAWW 160.3 MOD
B-49-4 11/08/01 08:25 016				
Percent Moisture	16.8	0.10	%	MCAWW 160.3 MOD

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EXECUTIVE SUMMARY - Detection Highlights

D1K120155

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
B-49-15 11/08/01 08:35 017				
Percent Moisture	14.7	0.10	%	MCAWW 160.3 MOD
B-45-4 11/08/01 08:50 018				
Tetrachloroethene	200	5.0	ug/kg	SW846 8260B
Percent Moisture	19.6	0.10	%	MCAWW 160.3 MOD
B-45-14 11/08/01 09:05 019				
Tetrachloroethene	490	25	ug/kg	SW846 8260B
Percent Moisture	25.4	0.10	%	MCAWW 160.3 MOD
B-45-15 11/08/01 09:15 020				
Tetrachloroethene	300	13	ug/L	SW846 8260B
1,1,1-Trichloroethane	47	13	ug/L	SW846 8260B
Trichloroethene	20	13	ug/L	SW846 8260B
B-46-2 11/08/01 09:35 021				
Tetrachloroethene	28000	1200	ug/kg	SW846 8260B
Percent Moisture	15.8	0.10	%	MCAWW 160.3 MOD
B-46-13 11/08/01 09:50 022				
Tetrachloroethene	690	25	ug/kg	SW846 8260B
Percent Moisture	15.8	0.10	%	MCAWW 160.3 MOD
B-46-17 11/08/01 10:00 023				
Tetrachloroethene	1300	40	ug/L	SW846 8260B
Trichloroethene	40	40	ug/L	SW846 8260B

METHODS SUMMARY

DIK120155

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3050B
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A	SW846 7471A
Percent Moisture	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3550B
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3050B
Volatile Organics by GC/MS	SW846 8260B	SW846 5030
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826
Volatile Organics by GC/MS	SW846 8260B	SW846 5035

References:

- MCAWW "Methods for Chemical Analysis of Water and Wastes",
EPA-600/4-79-020, March 1983 and subsequent revisions.
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

DIK120155

<u>ANALYTICAL METHOD</u>	<u>ANALYST</u>	<u>ANALYST ID</u>
MCAWW 160.3 MOD	Nathan Lovstad	000090
SW846 6010B	Lynn-Anne Trudell	006645
SW846 7471A	Thomas Lill	006929
SW846 8260B	Dan Appelhans	001008
SW846 8260B	Mike Armstrong	002544
SW846 8260B	Nathan Henry	004397
SW846 8270C	Xiayasang Leewaphath	006600

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes",
EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

DIK120155

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
ENQ6W	001	B-70-18	11/07/01	11:45
ENQ65	002	B-76-4	11/07/01	13:30
ENQ7C	003	B-76-16	11/07/01	13:50
ENQ7J	004	B-57-4	11/07/01	14:04
ENQ7P	005	B-57-15	11/07/01	14:20
ENQ7V	006	B-58-4	11/07/01	14:45
ENQ70	007	B-58-16	11/07/01	15:00
ENQ71	008	B-52-4	11/07/01	15:20
ENQ72	009	B-52-15	11/07/01	15:35
ENRDJ	010	B-51-4	11/07/01	15:45
ENRDT	011	B-51-15	11/07/01	15:55
ENRDW	012	B-49-4	11/07/01	16:20
ENRD1	013	B-49-15	11/07/01	16:35
ENRD2	014	B-55-17	11/06/01	16:15
ENRD5	015	B-55-3	11/06/01	15:30
ENRD8	016	B-49-4	11/08/01	08:25
ENREH	017	B-49-15	11/08/01	08:35
ENREM	018	B-45-4	11/08/01	08:50
ENREN	019	B-45-14	11/08/01	09:05
ENRE0	020	B-45-15	11/08/01	09:15
ENRE1	021	B-46-2	11/08/01	09:35
ENRE2	022	B-46-13	11/08/01	09:50
ENRE4	023	B-46-17	11/08/01	10:00

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

CAMERON-COLE LLC

Client Sample ID: B-70-18

GC/MS Volatiles

Lot-Sample #....: D1K120155-001 Work Order #....: ENQ6W1AA Matrix.....: SOLID
 Date Sampled....: 11/07/01 11:45 Date Received...: 11/10/01
 Prep Date.....: 11/17/01 Analysis Date...: 11/17/01
 Prep Batch #....: 1323350 Analysis Time...: 12:47
 Dilution Factor: 1
 % Moisture.....: 3.5 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-70-18

GC/MS Volatiles

Lot-Sample #....: D1K120155-001 Work Order #....: ENQ6W1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(80 - 120)
1,2-Dichloroethane-d4	120	(79 - 125)
4-Bromofluorobenzene	101	(71 - 132)
Toluene-d8	96	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-76-4

GC/MS Volatiles

Lot-Sample #....: D1K120155-002 Work Order #....: ENQ651AA Matrix.....: SOLID
 Date Sampled....: 11/07/01 13:30 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324469 Analysis Time...: 19:49
 Dilution Factor: 5
 % Moisture.....: 21 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	25	ug/kg
Bromobenzene	ND	25	ug/kg
Bromochloromethane	ND	25	ug/kg
Bromodichloromethane	ND	25	ug/kg
Bromoform	ND	25	ug/kg
Bromomethane	ND	50	ug/kg
n-Butylbenzene	ND	25	ug/kg
sec-Butylbenzene	ND	25	ug/kg
tert-Butylbenzene	ND	25	ug/kg
Carbon tetrachloride	ND	25	ug/kg
Chlorobenzene	ND	25	ug/kg
Chlorodibromomethane	ND	25	ug/kg
Chloroethane	ND	50	ug/kg
Chloroform	ND	50	ug/kg
Chloromethane	ND	50	ug/kg
2-Chlorotoluene	ND	25	ug/kg
4-Chlorotoluene	ND	25	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	ug/kg
1,2-Dibromoethane (EDB)	ND	25	ug/kg
Dibromomethane	ND	25	ug/kg
1,2-Dichlorobenzene	ND	25	ug/kg
1,3-Dichlorobenzene	ND	25	ug/kg
1,4-Dichlorobenzene	ND	25	ug/kg
Dichlorodifluoromethane	ND	50	ug/kg
1,1-Dichloroethane	ND	25	ug/kg
1,2-Dichloroethane	ND	25	ug/kg
cis-1,2-Dichloroethene	ND	12	ug/kg
trans-1,2-Dichloroethene	ND	12	ug/kg
1,1-Dichloroethene	ND	25	ug/kg
1,2-Dichloropropane	ND	25	ug/kg
1,3-Dichloropropane	ND	25	ug/kg
2,2-Dichloropropane	ND	25	ug/kg
1,1-Dichloropropene	ND	25	ug/kg
Ethylbenzene	ND	25	ug/kg
Hexachlorobutadiene	ND	25	ug/kg
Isopropylbenzene	ND	25	ug/kg
p-Isopropyltoluene	ND	25	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-76-4

GC/MS Volatiles

Lot-Sample #....: D1K120155-002 Work Order #....: ENQ651AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	25	ug/kg
Naphthalene	ND	25	ug/kg
n-Propylbenzene	ND	25	ug/kg
Styrene	ND	25	ug/kg
1,1,1,2-Tetrachloroethane	ND	25	ug/kg
1,1,2,2-Tetrachloroethane	ND	25	ug/kg
Tetrachloroethene	610	25	ug/kg
Toluene	ND	25	ug/kg
1,2,3-Trichlorobenzene	ND	25	ug/kg
1,2,4-Trichloro- benzene	ND	25	ug/kg
1,1,1-Trichloroethane	ND	25	ug/kg
1,1,2-Trichloroethane	ND	25	ug/kg
Trichloroethene	ND	25	ug/kg
Trichlorofluoromethane	ND	50	ug/kg
1,2,3-Trichloropropane	ND	25	ug/kg
1,2,4-Trimethylbenzene	ND	25	ug/kg
1,3,5-Trimethylbenzene	ND	25	ug/kg
Vinyl chloride	ND	25	ug/kg
m-Xylene & p-Xylene	ND	12	ug/kg
o-Xylene	ND	12	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(80 - 120)
1,2-Dichloroethane-d4	109	(79 - 125)
4-Bromofluorobenzene	104	(71 - 132)
Toluene-d8	102	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-76-16

GC/MS Volatiles

Lot-Sample #....: D1K120155-003 Work Order #....: ENQ7C1AA Matrix.....: SOLID
 Date Sampled....: 11/07/01 13:50 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1330178 Analysis Time...: 14:01
 Dilution Factor: 1
 % Moisture.....: 14 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	250	ug/kg
Bromobenzene	ND	250	ug/kg
Bromochloromethane	ND	250	ug/kg
Bromodichloromethane	ND	250	ug/kg
Bromoform	ND	250	ug/kg
Bromomethane	ND	500	ug/kg
n-Butylbenzene	ND	250	ug/kg
sec-Butylbenzene	ND	250	ug/kg
tert-Butylbenzene	ND	250	ug/kg
Carbon tetrachloride	ND	250	ug/kg
Chlorobenzene	ND	250	ug/kg
Chlorodibromomethane	ND	250	ug/kg
Chloroethane	ND	500	ug/kg
Chloroform	ND	500	ug/kg
Chloromethane	ND	500	ug/kg
2-Chlorotoluene	ND	250	ug/kg
4-Chlorotoluene	ND	250	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	500	ug/kg
1,2-Dibromoethane (EDB)	ND	250	ug/kg
Dibromomethane	ND	250	ug/kg
1,2-Dichlorobenzene	ND	250	ug/kg
1,3-Dichlorobenzene	ND	250	ug/kg
1,4-Dichlorobenzene	ND	250	ug/kg
Dichlorodifluoromethane	ND	500	ug/kg
1,1-Dichloroethane	ND	250	ug/kg
1,2-Dichloroethane	ND	250	ug/kg
cis-1,2-Dichloroethene	ND	120	ug/kg
trans-1,2-Dichloroethene	ND	120	ug/kg
1,1-Dichloroethene	ND	250	ug/kg
1,2-Dichloropropane	ND	250	ug/kg
1,3-Dichloropropane	ND	250	ug/kg
2,2-Dichloropropane	ND	250	ug/kg
1,1-Dichloropropene	ND	250	ug/kg
Ethylbenzene	ND	250	ug/kg
Hexachlorobutadiene	ND	250	ug/kg
Isopropylbenzene	ND	250	ug/kg
p-Isopropyltoluene	ND	250	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-76-16

GC/MS Volatiles

Lot-Sample #....: D1K120155-003 Work Order #....: ENQ7C1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	250	ug/kg
Naphthalene	ND	250	ug/kg
n-Propylbenzene	ND	250	ug/kg
Styrene	ND	250	ug/kg
1,1,1,2-Tetrachloroethane	ND	250	ug/kg
1,1,2,2-Tetrachloroethane	ND	250	ug/kg
Tetrachloroethene	5800	250	ug/kg
Toluene	ND	250	ug/kg
1,2,3-Trichlorobenzene	ND	250	ug/kg
1,2,4-Trichloro- benzene	ND	250	ug/kg
1,1,1-Trichloroethane	ND	250	ug/kg
1,1,2-Trichloroethane	ND	250	ug/kg
Trichloroethene	ND	250	ug/kg
Trichlorofluoromethane	ND	500	ug/kg
1,2,3-Trichloropropane	ND	250	ug/kg
1,2,4-Trimethylbenzene	ND	250	ug/kg
1,3,5-Trimethylbenzene	ND	250	ug/kg
Vinyl chloride	ND	250	ug/kg
m-Xylene & p-Xylene	ND	120	ug/kg
o-Xylene	ND	120	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(72 - 121)
1,2-Dichloroethane-d4	88	(53 - 131)
4-Bromofluorobenzene	102	(71 - 127)
Toluene-d8	97	(57 - 130)

CAMERON-COLE LLC

Client Sample ID: B-57-4

GC/MS Volatiles

Lot-Sample #....: D1K120155-004 Work Order #....: ENQ7J1AA Matrix.....: SOLID
 Date Sampled....: 11/07/01 14:04 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324469 Analysis Time...: 15:44
 Dilution Factor: 1
 % Moisture.....: 18 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-57-4

GC/MS Volatiles

Lot-Sample #....: D1K120155-004 Work Order #....: ENQ7J1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(80 - 120)
1,2-Dichloroethane-d4	103	(79 - 125)
4-Bromofluorobenzene	100	(71 - 132)
Toluene-d8	100	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-57-15

GC/MS Volatiles

Lot-Sample #....: D1K120155-005 Work Order #....: ENQ7P1AA Matrix.....: SOLID
 Date Sampled....: 11/07/01 14:20 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324469 Analysis Time...: 16:11
 Dilution Factor: 1
 % Moisture.....: 15 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	35	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-57-15

GC/MS Volatiles

Lot-Sample #....: D1K120155-005

Work Order #....: ENQ7P1AA

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	150	2.5	ug/kg
o-Xylene	50	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(80 - 120)
1,2-Dichloroethane-d4	111	(79 - 125)
4-Bromofluorobenzene	99	(71 - 132)
Toluene-d8	100	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-58-4

GC/MS Volatiles

Lot-Sample #....: D1K120155-006 Work Order #....: ENQ7V1AA Matrix.....: SOLID
 Date Sampled....: 11/07/01 14:45 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324469 Analysis Time...: 17:32
 Dilution Factor: 1
 % Moisture.....: 18 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-58-4

GC/MS Volatiles

Lot-Sample #....: D1K120155-006 Work Order #....: ENQ7V1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	16	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(80 - 120)
1,2-Dichloroethane-d4	104	(79 - 125)
4-Bromofluorobenzene	102	(71 - 132)
Toluene-d8	97	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-58-16

GC/MS Volatiles

Lot-Sample #....: D1K120155-007 Work Order #....: ENQ701AA Matrix.....: SOLID
 Date Sampled....: 11/07/01 15:00 Date Received...: 11/10/01
 Prep Date.....: 11/17/01 Analysis Date...: 11/17/01
 Prep Batch #....: 1323350 Analysis Time...: 15:03
 Dilution Factor: 1
 % Moisture.....: 18 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropane	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-58-16

GC/MS Volatiles

Lot-Sample #....: D1K120155-007 Work Order #....: ENQ701AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(80 - 120)
1,2-Dichloroethane-d4	122	(79 - 125)
4-Bromofluorobenzene	106	(71 - 132)
Toluene-d8	99	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-52-4

GC/MS Volatiles

Lot-Sample #....: D1K120155-008 Work Order #....: ENQ711AA Matrix.....: SOLID
 Date Sampled....: 11/07/01 15:20 Date Received...: 11/10/01
 Prep Date.....: 11/17/01 Analysis Date...: 11/17/01
 Prep Batch #....: 1323350 Analysis Time...: 15:30
 Dilution Factor: 1
 % Moisture.....: 19 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-52-4

GC/MS Volatiles

Lot-Sample #....: D1K120155-008 Work Order #....: ENQ711AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	114	(80 - 120)
1,2-Dichloroethane-d4	125	(79 - 125)
4-Bromofluorobenzene	108	(71 - 132)
Toluene-d8	103	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-52-15

GC/MS Volatiles

Lot-Sample #....: D1K120155-009 Work Order #....: ENQ721AA Matrix.....: SOLID
 Date Sampled....: 11/07/01 15:35 Date Received...: 11/10/01
 Prep Date.....: 11/17/01 Analysis Date...: 11/17/01
 Prep Batch #....: 1323329 Analysis Time...: 18:46
 Dilution Factor: 1
 % Moisture.....: 2.7 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	250	ug/kg
Bromobenzene	ND	250	ug/kg
Bromochloromethane	ND	250	ug/kg
Bromodichloromethane	ND	250	ug/kg
Bromoform	ND	250	ug/kg
Bromomethane	ND	500	ug/kg
n-Butylbenzene	400	250	ug/kg
sec-Butylbenzene	ND	250	ug/kg
tert-Butylbenzene	ND	250	ug/kg
Carbon tetrachloride	ND	250	ug/kg
Chlorobenzene	ND	250	ug/kg
Chlorodibromomethane	ND	250	ug/kg
Chloroethane	ND	500	ug/kg
Chloroform	ND	500	ug/kg
Chloromethane	ND	500	ug/kg
2-Chlorotoluene	ND	250	ug/kg
4-Chlorotoluene	ND	250	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	500	ug/kg
1,2-Dibromoethane (EDB)	ND	250	ug/kg
Dibromomethane	ND	250	ug/kg
1,2-Dichlorobenzene	ND	250	ug/kg
1,3-Dichlorobenzene	ND	250	ug/kg
1,4-Dichlorobenzene	ND	250	ug/kg
Dichlorodifluoromethane	ND	500	ug/kg
1,1-Dichloroethane	ND	250	ug/kg
1,2-Dichloroethane	ND	250	ug/kg
cis-1,2-Dichloroethene	ND	120	ug/kg
trans-1,2-Dichloroethene	ND	120	ug/kg
1,1-Dichloroethene	ND	250	ug/kg
1,2-Dichloropropane	ND	250	ug/kg
1,3-Dichloropropane	ND	250	ug/kg
2,2-Dichloropropane	ND	250	ug/kg
1,1-Dichloropropene	ND	250	ug/kg
Ethylbenzene	ND	250	ug/kg
Hexachlorobutadiene	ND	250	ug/kg
Isopropylbenzene	ND	250	ug/kg
p-Isopropyltoluene	ND	250	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-52-15

GC/MS Volatiles

Lot-Sample #....: D1K120155-009 Work Order #....: ENQ721AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	250	ug/kg
Naphthalene	310	250	ug/kg
n-Propylbenzene	370	250	ug/kg
Styrene	ND	250	ug/kg
1,1,1,2-Tetrachloroethane	ND	250	ug/kg
1,1,2,2-Tetrachloroethane	ND	250	ug/kg
Tetrachloroethene	ND	250	ug/kg
Toluene	ND	250	ug/kg
1,2,3-Trichlorobenzene	ND	250	ug/kg
1,2,4-Trichloro- benzene	ND	250	ug/kg
1,1,1-Trichloroethane	ND	250	ug/kg
1,1,2-Trichloroethane	ND	250	ug/kg
Trichloroethene	ND	250	ug/kg
Trichlorofluoromethane	ND	500	ug/kg
1,2,3-Trichloropropane	ND	250	ug/kg
1,2,4-Trimethylbenzene	2400	250	ug/kg
1,3,5-Trimethylbenzene	510	250	ug/kg
Vinyl chloride	ND	250	ug/kg
m-Xylene & p-Xylene	ND	120	ug/kg
o-Xylene	ND	120	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(72 - 121)
1,2-Dichloroethane-d4	85	(53 - 131)
4-Bromofluorobenzene	98	(71 - 127)
Toluene-d8	100	(57 - 130)

CAMERON-COLE LLC

Client Sample ID: B-51-4

GC/MS Volatiles

Lot-Sample #....: D1K120155-010 Work Order #....: ENRDJ1AA Matrix.....: SOLID
 Date Sampled....: 11/07/01 15:45 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324469 Analysis Time...: 18:00
 Dilution Factor: 1
 % Moisture.....: 17 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-51-4

GC/MS Volatiles

Lot-Sample #....: D1K120155-010 Work Order #....: ENRDJ1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(80 - 120)
1,2-Dichloroethane-d4	101	(79 - 125)
4-Bromofluorobenzene	105	(71 - 132)
Toluene-d8	100	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-51-15

GC/MS Volatiles

Lot-Sample #....: D1K120155-011 Work Order #....: ENRDT1AA Matrix.....: SOLID
 Date Sampled....: 11/07/01 15:55 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324469 Analysis Time...: 18:27
 Dilution Factor: 1
 % Moisture.....: 13 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-51-15

GC/MS Volatiles

Lot-Sample #....: D1K120155-011 Work Order #....: ENRDT1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(80 - 120)
1,2-Dichloroethane-d4	103	(79 - 125)
4-Bromofluorobenzene	101	(71 - 132)
Toluene-d8	98	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-49-4

GC/MS Volatiles

Lot-Sample #....: D1K120155-012 Work Order #....: ENRDW1AA Matrix.....: SOLID
 Date Sampled....: 11/07/01 16:20 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324469 Analysis Time...: 18:55
 Dilution Factor: 1
 % Moisture.....: 17 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	2.9	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-49-4

GC/MS Volatiles

Lot-Sample #....: D1K120155-012 Work Order #....: ENRDW1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	33	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	6.8	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(80 - 120)
1,2-Dichloroethane-d4	106	(79 - 125)
4-Bromofluorobenzene	103	(71 - 132)
Toluene-d8	100	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-49-15

GC/MS Volatiles

Lot-Sample #....: D1K120155-013 Work Order #....: ENRD11AA Matrix.....: SOLID
 Date Sampled....: 11/07/01 16:35 Date Received...: 11/10/01
 Prep Date.....: 11/17/01 Analysis Date...: 11/17/01
 Prep Batch #....: 1323350 Analysis Time...: 17:19
 Dilution Factor: 1
 % Moisture.....: 18 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-49-15

GC/MS Volatiles

Lot-Sample #....: D1K120155-013 Work Order #....: ENRD11AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	11	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(80 - 120)
1,2-Dichloroethane-d4	125	(79 - 125)
4-Bromofluorobenzene	104	(71 - 132)
Toluene-d8	100	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-55-17

GC/MS Volatiles

Lot-Sample #....: D1K120155-014 Work Order #....: ENRD21AA Matrix.....: SOLID
 Date Sampled....: 11/06/01 16:15 Date Received...: 11/10/01
 Prep Date.....: 11/17/01 Analysis Date...: 11/17/01
 Prep Batch #....: 1323350 Analysis Time...: 17:47
 Dilution Factor: 1
 % Moisture.....: 15 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-55-17

GC/MS Volatiles

Lot-Sample #....: D1K120155-014 Work Order #....: ENRD21AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(80 - 120)
1,2-Dichloroethane-d4	122	(79 - 125)
4-Bromofluorobenzene	106	(71 - 132)
Toluene-d8	99	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-55-3

GC/MS Volatiles

Lot-Sample #....: D1K120155-015 Work Order #....: ENRD51AA Matrix.....: SOLID
 Date Sampled....: 11/06/01 15:30 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324469 Analysis Time...: 15:17
 Dilution Factor: 1
 % Moisture.....: 16 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-55-3

GC/MS Volatiles

Lot-Sample #....: D1K120155-015 Work Order #....: ENRD51AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	27	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	15	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(80 - 120)
1,2-Dichloroethane-d4	106	(79 - 125)
4-Bromofluorobenzene	106	(71 - 132)
Toluene-d8	105	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-45-4

GC/MS Volatiles

Lot-Sample #....: D1K120155-018 Work Order #....: ENREM1AA Matrix.....: SOLID
 Date Sampled....: 11/08/01 08:50 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324469 Analysis Time...: 19:22
 Dilution Factor: 1
 % Moisture.....: 20 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-45-4

GC/MS Volatiles

Lot-Sample #....: D1K120155-018 Work Order #....: ENREM1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	200	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(80 - 120)
1,2-Dichloroethane-d4	108	(79 - 125)
4-Bromofluorobenzene	103	(71 - 132)
Toluene-d8	104	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-45-14

GC/MS Volatiles

Lot-Sample #....: D1K120155-019 Work Order #....: ENREN1AA Matrix.....: SOLID
 Date Sampled....: 11/08/01 09:05 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324469 Analysis Time...: 20:17
 Dilution Factor: 5
 % Moisture.....: 25 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	25	ug/kg
Bromobenzene	ND	25	ug/kg
Bromochloromethane	ND	25	ug/kg
Bromodichloromethane	ND	25	ug/kg
Bromoform	ND	25	ug/kg
Bromomethane	ND	50	ug/kg
n-Butylbenzene	ND	25	ug/kg
sec-Butylbenzene	ND	25	ug/kg
tert-Butylbenzene	ND	25	ug/kg
Carbon tetrachloride	ND	25	ug/kg
Chlorobenzene	ND	25	ug/kg
Chlorodibromomethane	ND	25	ug/kg
Chloroethane	ND	50	ug/kg
Chloroform	ND	50	ug/kg
Chloromethane	ND	50	ug/kg
2-Chlorotoluene	ND	25	ug/kg
4-Chlorotoluene	ND	25	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	ug/kg
1,2-Dibromoethane (EDB)	ND	25	ug/kg
Dibromomethane	ND	25	ug/kg
1,2-Dichlorobenzene	ND	25	ug/kg
1,3-Dichlorobenzene	ND	25	ug/kg
1,4-Dichlorobenzene	ND	25	ug/kg
Dichlorodifluoromethane	ND	50	ug/kg
1,1-Dichloroethane	ND	25	ug/kg
1,2-Dichloroethane	ND	25	ug/kg
cis-1,2-Dichloroethene	ND	12	ug/kg
trans-1,2-Dichloroethene	ND	12	ug/kg
1,1-Dichloroethene	ND	25	ug/kg
1,2-Dichloropropane	ND	25	ug/kg
1,3-Dichloropropane	ND	25	ug/kg
2,2-Dichloropropane	ND	25	ug/kg
1,1-Dichloropropene	ND	25	ug/kg
Ethylbenzene	ND	25	ug/kg
Hexachlorobutadiene	ND	25	ug/kg
Isopropylbenzene	ND	25	ug/kg
p-Isopropyltoluene	ND	25	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-45-14

GC/MS Volatiles

Lot-Sample #....: D1K120155-019 Work Order #....: ENREN1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	25	ug/kg
Naphthalene	ND	25	ug/kg
n-Propylbenzene	ND	25	ug/kg
Styrene	ND	25	ug/kg
1,1,1,2-Tetrachloroethane	ND	25	ug/kg
1,1,2,2-Tetrachloroethane	ND	25	ug/kg
Tetrachloroethene	490	25	ug/kg
Toluene	ND	25	ug/kg
1,2,3-Trichlorobenzene	ND	25	ug/kg
1,2,4-Trichloro- benzene	ND	25	ug/kg
1,1,1-Trichloroethane	ND	25	ug/kg
1,1,2-Trichloroethane	ND	25	ug/kg
Trichloroethene	ND	25	ug/kg
Trichlorofluoromethane	ND	50	ug/kg
1,2,3-Trichloropropane	ND	25	ug/kg
1,2,4-Trimethylbenzene	ND	25	ug/kg
1,3,5-Trimethylbenzene	ND	25	ug/kg
Vinyl chloride	ND	25	ug/kg
m-Xylene & p-Xylene	ND	12	ug/kg
o-Xylene	ND	12	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(80 - 120)
1,2-Dichloroethane-d4	112	(79 - 125)
4-Bromofluorobenzene	100	(71 - 132)
Toluene-d8	102	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-45-15

GC/MS Volatiles

Lot-Sample #....: D1K120155-020 Work Order #....: ENRE01AA Matrix.....: WATER
 Date Sampled....: 11/08/01 09:15 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1325351 Analysis Time...: 14:37
 Dilution Factor: 13.33

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	13	ug/L
Bromobenzene	ND	13	ug/L
Bromochloromethane	ND	13	ug/L
Bromodichloromethane	ND	13	ug/L
Bromoform	ND	13	ug/L
Bromomethane	ND	27	ug/L
n-Butylbenzene	ND	13	ug/L
sec-Butylbenzene	ND	13	ug/L
tert-Butylbenzene	ND	13	ug/L
Carbon tetrachloride	ND	13	ug/L
Chlorobenzene	ND	13	ug/L
Chlorodibromomethane	ND	13	ug/L
Chloroethane	ND	27	ug/L
Chloroform	ND	13	ug/L
Chloromethane	ND	27	ug/L
2-Chlorotoluene	ND	13	ug/L
4-Chlorotoluene	ND	13	ug/L
Dibromomethane	ND	13	ug/L
1,2-Dichlorobenzene	ND	13	ug/L
1,3-Dichlorobenzene	ND	13	ug/L
1,4-Dichlorobenzene	ND	13	ug/L
Dichlorodifluoromethane	ND	27	ug/L
1,1-Dichloroethane	ND	13	ug/L
1,2-Dichloroethane	ND	13	ug/L
1,1-Dichloroethene	ND	13	ug/L
cis-1,2-Dichloroethene	ND	13	ug/L
trans-1,2-Dichloroethene	ND	6.7	ug/L
1,2-Dichloropropane	ND	13	ug/L
1,3-Dichloropropane	ND	13	ug/L
2,2-Dichloropropane	ND	67	ug/L
1,1-Dichloropropene	ND	13	ug/L
Ethylbenzene	ND	13	ug/L
Trichlorofluoromethane	ND	27	ug/L
Hexachlorobutadiene	ND	13	ug/L
Isopropylbenzene	ND	13	ug/L
p-Isopropyltoluene	ND	13	ug/L
Methylene chloride	ND	13	ug/L
Naphthalene	ND	13	ug/L

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CAMERON-COLE LLC

Client Sample ID: B-45-15

GC/MS Volatiles

Lot-Sample #....: D1K120155-020 Work Order #....: ENRE01AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	13	ug/L
Styrene	ND	13	ug/L
1,1,1,2-Tetrachloroethane	ND	13	ug/L
1,1,2,2-Tetrachloroethane	ND	13	ug/L
Tetrachloroethene	300	13	ug/L
Toluene	ND	13	ug/L
1,2,3-Trichlorobenzene	ND	13	ug/L
1,2,4-Trichloro- benzene	ND	13	ug/L
1,1,1-Trichloroethane	47	13	ug/L
1,1,2-Trichloroethane	ND	13	ug/L
Trichloroethene	20	13	ug/L
1,2,3-Trichloropropane	ND	13	ug/L
1,2,4-Trimethylbenzene	ND	13	ug/L
1,3,5-Trimethylbenzene	ND	13	ug/L
Vinyl chloride	ND	13	ug/L
o-Xylene	ND	13	ug/L
m-Xylene & p-Xylene	ND	27	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	27	ug/L
1,2-Dibromoethane (EDB)	ND	13	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	115	(80 - 120)
1,2-Dichloroethane-d4	122	(72 - 127)
4-Bromofluorobenzene	91	(79 - 119)
Toluene-d8	94	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: B-46-2

GC/MS Volatiles

Lot-Sample #....: D1K120155-021 Work Order #....: ENRE11AA Matrix.....: SOLID
 Date Sampled....: 11/08/01 09:35 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1330178 Analysis Time...: 15:15
 Dilution Factor: 4.75
 % Moisture.....: 16 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	1200	ug/kg
Bromobenzene	ND	1200	ug/kg
Bromochloromethane	ND	1200	ug/kg
Bromodichloromethane	ND	1200	ug/kg
Bromoform	ND	1200	ug/kg
Bromomethane	ND	2400	ug/kg
n-Butylbenzene	ND	1200	ug/kg
sec-Butylbenzene	ND	1200	ug/kg
tert-Butylbenzene	ND	1200	ug/kg
Carbon tetrachloride	ND	1200	ug/kg
Chlorobenzene	ND	1200	ug/kg
Chlorodibromomethane	ND	1200	ug/kg
Chloroethane	ND	2400	ug/kg
Chloroform	ND	2400	ug/kg
Chloromethane	ND	2400	ug/kg
2-Chlorotoluene	ND	1200	ug/kg
4-Chlorotoluene	ND	1200	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	2400	ug/kg
1,2-Dibromoethane (EDB)	ND	1200	ug/kg
Dibromomethane	ND	1200	ug/kg
1,2-Dichlorobenzene	ND	1200	ug/kg
1,3-Dichlorobenzene	ND	1200	ug/kg
1,4-Dichlorobenzene	ND	1200	ug/kg
Dichlorodifluoromethane	ND	2400	ug/kg
1,1-Dichloroethane	ND	1200	ug/kg
1,2-Dichloroethane	ND	1200	ug/kg
cis-1,2-Dichloroethene	ND	590	ug/kg
trans-1,2-Dichloroethene	ND	590	ug/kg
1,1-Dichloroethene	ND	1200	ug/kg
1,2-Dichloropropane	ND	1200	ug/kg
1,3-Dichloropropane	ND	1200	ug/kg
2,2-Dichloropropane	ND	1200	ug/kg
1,1-Dichloropropene	ND	1200	ug/kg
Ethylbenzene	ND	1200	ug/kg
Hexachlorobutadiene	ND	1200	ug/kg
Isopropylbenzene	ND	1200	ug/kg
p-Isopropyltoluene	ND	1200	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-46-2

GC/MS Volatiles

Lot-Sample #....: D1K120155-021 Work Order #....: ENRE11AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1200	ug/kg
Naphthalene	ND	1200	ug/kg
n-Propylbenzene	ND	1200	ug/kg
Styrene	ND	1200	ug/kg
1,1,1,2-Tetrachloroethane	ND	1200	ug/kg
1,1,2,2-Tetrachloroethane	ND	1200	ug/kg
Tetrachloroethene	28000	1200	ug/kg
Toluene	ND	1200	ug/kg
1,2,3-Trichlorobenzene	ND	1200	ug/kg
1,2,4-Trichloro- benzene	ND	1200	ug/kg
1,1,1-Trichloroethane	ND	1200	ug/kg
1,1,2-Trichloroethane	ND	1200	ug/kg
Trichloroethene	ND	1200	ug/kg
Trichlorofluoromethane	ND	2400	ug/kg
1,2,3-Trichloropropane	ND	1200	ug/kg
1,2,4-Trimethylbenzene	ND	1200	ug/kg
1,3,5-Trimethylbenzene	ND	1200	ug/kg
Vinyl chloride	ND	1200	ug/kg
m-Xylene & p-Xylene	ND	590	ug/kg
o-Xylene	ND	590	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(72 - 121)
1,2-Dichloroethane-d4	87	(53 - 131)
4-Bromofluorobenzene	99	(71 - 127)
Toluene-d8	95	(57 - 130)

CAMERON-COLE LLC

Client Sample ID: B-46-13

GC/MS Volatiles

Lot-Sample #....: D1K120155-022 Work Order #....: ENRE21AA Matrix.....: SOLID
 Date Sampled....: 11/08/01 09:50 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324469 Analysis Time...: 20:44
 Dilution Factor: 5
 % Moisture.....: 16 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	25	ug/kg
Bromobenzene	ND	25	ug/kg
Bromochloromethane	ND	25	ug/kg
Bromodichloromethane	ND	25	ug/kg
Bromoform	ND	25	ug/kg
Bromomethane	ND	50	ug/kg
n-Butylbenzene	ND	25	ug/kg
sec-Butylbenzene	ND	25	ug/kg
tert-Butylbenzene	ND	25	ug/kg
Carbon tetrachloride	ND	25	ug/kg
Chlorobenzene	ND	25	ug/kg
Chlorodibromomethane	ND	25	ug/kg
Chloroethane	ND	50	ug/kg
Chloroform	ND	50	ug/kg
Chloromethane	ND	50	ug/kg
2-Chlorotoluene	ND	25	ug/kg
4-Chlorotoluene	ND	25	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	ug/kg
1,2-Dibromoethane (EDB)	ND	25	ug/kg
Dibromomethane	ND	25	ug/kg
1,2-Dichlorobenzene	ND	25	ug/kg
1,3-Dichlorobenzene	ND	25	ug/kg
1,4-Dichlorobenzene	ND	25	ug/kg
Dichlorodifluoromethane	ND	50	ug/kg
1,1-Dichloroethane	ND	25	ug/kg
1,2-Dichloroethane	ND	25	ug/kg
cis-1,2-Dichloroethene	ND	12	ug/kg
trans-1,2-Dichloroethene	ND	12	ug/kg
1,1-Dichloroethene	ND	25	ug/kg
1,2-Dichloropropane	ND	25	ug/kg
1,3-Dichloropropane	ND	25	ug/kg
2,2-Dichloropropane	ND	25	ug/kg
1,1-Dichloropropene	ND	25	ug/kg
Ethylbenzene	ND	25	ug/kg
Hexachlorobutadiene	ND	25	ug/kg
Isopropylbenzene	ND	25	ug/kg
p-Isopropyltoluene	ND	25	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-46-13

GC/MS Volatiles

Lot-Sample #....: D1K120155-022 Work Order #....: ENRE21AA Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Methylene chloride	ND	25	ug/kg
Naphthalene	ND	25	ug/kg
n-Propylbenzene	ND	25	ug/kg
Styrene	ND	25	ug/kg
1,1,1,2-Tetrachloroethane	ND	25	ug/kg
1,1,2,2-Tetrachloroethane	ND	25	ug/kg
Tetrachloroethene	690	25	ug/kg
Toluene	ND	25	ug/kg
1,2,3-Trichlorobenzene	ND	25	ug/kg
1,2,4-Trichloro- benzene	ND	25	ug/kg
1,1,1-Trichloroethane	ND	25	ug/kg
1,1,2-Trichloroethane	ND	25	ug/kg
Trichloroethene	ND	25	ug/kg
Trichlorofluoromethane	ND	50	ug/kg
1,2,3-Trichloropropane	ND	25	ug/kg
1,2,4-Trimethylbenzene	ND	25	ug/kg
1,3,5-Trimethylbenzene	ND	25	ug/kg
Vinyl chloride	ND	25	ug/kg
m-Xylene & p-Xylene	ND	12	ug/kg
o-Xylene	ND	12	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	103	(80 - 120)
1,2-Dichloroethane-d4	106	(79 - 125)
4-Bromofluorobenzene	104	(71 - 132)
Toluene-d8	101	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-46-17

GC/MS Volatiles

Lot-Sample #....: D1K120155-023 Work Order #....: ENRE41AA Matrix.....: WATER
 Date Sampled....: 11/08/01 10:00 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1325351 Analysis Time...: 15:01
 Dilution Factor: 40

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	40	ug/L
Bromobenzene	ND	40	ug/L
Bromochloromethane	ND	40	ug/L
Bromodichloromethane	ND	40	ug/L
Bromoform	ND	40	ug/L
Bromomethane	ND	80	ug/L
n-Butylbenzene	ND	40	ug/L
sec-Butylbenzene	ND	40	ug/L
tert-Butylbenzene	ND	40	ug/L
Carbon tetrachloride	ND	40	ug/L
Chlorobenzene	ND	40	ug/L
Chlorodibromomethane	ND	40	ug/L
Chloroethane	ND	80	ug/L
Chloroform	ND	40	ug/L
Chloromethane	ND	80	ug/L
2-Chlorotoluene	ND	40	ug/L
4-Chlorotoluene	ND	40	ug/L
Dibromomethane	ND	40	ug/L
1,2-Dichlorobenzene	ND	40	ug/L
1,3-Dichlorobenzene	ND	40	ug/L
1,4-Dichlorobenzene	ND	40	ug/L
Dichlorodifluoromethane	ND	80	ug/L
1,1-Dichloroethane	ND	40	ug/L
1,2-Dichloroethane	ND	40	ug/L
1,1-Dichloroethene	ND	40	ug/L
cis-1,2-Dichloroethene	ND	40	ug/L
trans-1,2-Dichloroethene	ND	20	ug/L
1,2-Dichloropropane	ND	40	ug/L
1,3-Dichloropropane	ND	40	ug/L
2,2-Dichloropropane	ND	200	ug/L
1,1-Dichloropropene	ND	40	ug/L
Ethylbenzene	ND	40	ug/L
Trichlorofluoromethane	ND	80	ug/L
Hexachlorobutadiene	ND	40	ug/L
Isopropylbenzene	ND	40	ug/L
p-Isopropyltoluene	ND	40	ug/L
Methylene chloride	ND	40	ug/L
Naphthalene	ND	40	ug/L

(Continued on next page)

CAMERON-COLE LLC

Client Sample ID: B-46-17

GC/MS Volatiles

Lot-Sample #....: D1K120155-023 Work Order #....: ENRE41AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	40	ug/L
Styrene	ND	40	ug/L
1,1,1,2-Tetrachloroethane	ND	40	ug/L
1,1,2,2-Tetrachloroethane	ND	40	ug/L
Tetrachloroethene	1300	40	ug/L
Toluene	ND	40	ug/L
1,2,3-Trichlorobenzene	ND	40	ug/L
1,2,4-Trichloro- benzene	ND	40	ug/L
1,1,1-Trichloroethane	ND	40	ug/L
1,1,2-Trichloroethane	ND	40	ug/L
Trichloroethene	40	40	ug/L
1,2,3-Trichloropropane	ND	40	ug/L
1,2,4-Trimethylbenzene	ND	40	ug/L
1,3,5-Trimethylbenzene	ND	40	ug/L
Vinyl chloride	ND	40	ug/L
o-Xylene	ND	40	ug/L
m-Xylene & p-Xylene	ND	80	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	80	ug/L
1,2-Dibromoethane (EDB)	ND	40	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	114	(80 - 120)
1,2-Dichloroethane-d4	121	(72 - 127)
4-Bromofluorobenzene	91	(79 - 119)
Toluene-d8	93	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: B-49-4

GC/MS Semivolatiles

Lot-Sample #....: D1K120155-016 Work Order #....: ENRD81AA Matrix.....: SOLID
 Date Sampled....: 11/08/01 08:25 Date Received...: 11/10/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/25/01
 Prep Batch #....: 1325202 Analysis Time...: 19:59
 Dilution Factor: 1
 % Moisture.....: 17 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	330	ug/kg	46
Acenaphthylene	ND	330	ug/kg	34
Anthracene	ND	330	ug/kg	78
Benzo(a)anthracene	ND	330	ug/kg	39
Benzo(b)fluoranthene	ND	330	ug/kg	100
Benzo(k)fluoranthene	ND	330	ug/kg	93
Benzo(ghi)perylene	ND	330	ug/kg	70
Benzo(a)pyrene	ND	330	ug/kg	94
Chrysene	ND	330	ug/kg	53
Dibenz(a,h)anthracene	ND	330	ug/kg	47
Fluoranthene	ND	330	ug/kg	84
Fluorene	ND	330	ug/kg	76
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	48
Naphthalene	ND	330	ug/kg	70
Phenanthrene	ND	330	ug/kg	37
Pyrene	ND	330	ug/kg	40
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	69
Dimethyl phthalate	ND	330	ug/kg	85

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
2-Fluorophenol	75	(34 - 97)
Phenol-d5	70	(39 - 90)
Nitrobenzene-d5	75	(33 - 97)
2-Fluorobiphenyl	72	(39 - 91)
2,4,6-Tribromophenol	61	(29 - 95)
Terphenyl-d14	79	(30 - 102)

CAMERON-COLE LLC

Client Sample ID: B-49-15

GC/MS Semivolatiles

Lot-Sample #....: D1K120155-017 Work Order #....: ENREH1AA Matrix.....: SOLID
 Date Sampled....: 11/08/01 08:35 Date Received...: 11/10/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/25/01
 Prep Batch #....: 1325202 Analysis Time...: 20:22
 Dilution Factor: 1
 % Moisture.....: 15 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	330	ug/kg	46
Acenaphthylene	ND	330	ug/kg	34
Anthracene	ND	330	ug/kg	78
Benzo(a)anthracene	ND	330	ug/kg	39
Benzo(b)fluoranthene	ND	330	ug/kg	100
Benzo(k)fluoranthene	ND	330	ug/kg	93
Benzo(ghi)perylene	ND	330	ug/kg	70
Benzo(a)pyrene	ND	330	ug/kg	94
Chrysene	ND	330	ug/kg	53
Dibenz(a,h)anthracene	ND	330	ug/kg	47
Fluoranthene	ND	330	ug/kg	84
Fluorene	ND	330	ug/kg	76
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	48
Naphthalene	ND	330	ug/kg	70
Phenanthrene	ND	330	ug/kg	37
Pyrene	ND	330	ug/kg	40
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	69
Dimethyl phthalate	ND	330	ug/kg	85
SURROGATE	PERCENT RECOVERY	RECOVERY		
		LIMITS		
2-Fluorophenol	68	(34 - 97)		
Phenol-d5	65	(39 - 90)		
Nitrobenzene-d5	69	(33 - 97)		
2-Fluorobiphenyl	66	(39 - 91)		
2,4,6-Tribromophenol	56	(29 - 95)		
Terphenyl-d14	70	(30 - 102)		

CAMERON-COLE LLC

Client Sample ID: B-70-18

TOTAL Metals

Lot-Sample #....: D1K120155-001

Matrix.....: SOLID

Date Sampled....: 11/07/01 11:45 Date Received...: 11/10/01

% Moisture.....: 3.5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1317288						
Mercury	ND	0.033	mg/kg	SW846 7471A	11/19/01	ENQ6W1AK
		Dilution Factor: 1		Analysis Time...: 23:05		
Prep Batch #....: 1319444						
Silver	ND	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENQ6W1AE
		Dilution Factor: 1		Analysis Time...: 18:31		
Arsenic	ND	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENQ6W1AF
		Dilution Factor: 1		Analysis Time...: 18:31		
Barium	16.6	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENQ6W1AC
		Dilution Factor: 1		Analysis Time...: 18:31		
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/15-11/18/01	ENQ6W1AG
		Dilution Factor: 1		Analysis Time...: 18:31		
Chromium	1.4	1.0	mg/kg	SW846 6010B	11/15-11/18/01	ENQ6W1AD
		Dilution Factor: 1		Analysis Time...: 18:31		
Lead	1.5	0.80	mg/kg	SW846 6010B	11/15-11/18/01	ENQ6W1AH
		Dilution Factor: 1		Analysis Time...: 18:31		
Selenium	ND	1.3	mg/kg	SW846 6010B	11/15-11/18/01	ENQ6W1AJ
		Dilution Factor: 1		Analysis Time...: 18:31		

QC DATA ASSOCIATION SUMMARY

D1K120155

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	SW846 7471A		1317288	1317162
	SOLID	SW846 8260B		1323350	1323178
	SOLID	SW846 6010B		1319444	1319214
	SOLID	MCAWW 160.3 MOD		1331243	1331104
002	SOLID	SW846 8260B		1324469	1324228
	SOLID	MCAWW 160.3 MOD		1331243	1331104
003	SOLID	SW846 8260B		1330178	1330060
	SOLID	MCAWW 160.3 MOD		1331243	1331104
004	SOLID	SW846 8260B		1324469	1324228
	SOLID	MCAWW 160.3 MOD		1331243	1331104
005	SOLID	SW846 8260B		1324469	1324228
	SOLID	MCAWW 160.3 MOD		1331246	1331106
006	SOLID	SW846 8260B		1324469	1324228
	SOLID	MCAWW 160.3 MOD		1331246	1331106
007	SOLID	SW846 8260B		1323350	1323178
	SOLID	MCAWW 160.3 MOD		1331246	1331106
008	SOLID	SW846 8260B		1323350	1323178
	SOLID	MCAWW 160.3 MOD		1331246	1331106
009	SOLID	SW846 8260B		1323329	1323164
	SOLID	MCAWW 160.3 MOD		1331246	1331106
010	SOLID	SW846 8260B		1324469	1324228
	SOLID	MCAWW 160.3 MOD		1331246	1331106
011	SOLID	SW846 8260B		1324469	1324228
	SOLID	MCAWW 160.3 MOD		1331246	1331106
012	SOLID	SW846 8260B		1324469	1324228
	SOLID	MCAWW 160.3 MOD		1331246	1331106
013	SOLID	SW846 8260B		1323350	1323178
	SOLID	MCAWW 160.3 MOD		1331246	1331106
014	SOLID	SW846 8260B		1323350	1323178
	SOLID	MCAWW 160.3 MOD		1331246	1331106

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

D1K120155

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
015	SOLID	SW846 8260B		1324469	1324228
	SOLID	MCAWW 160.3 MOD		1331246	1331106
016	SOLID	SW846 8270C		1325202	1325071
	SOLID	MCAWW 160.3 MOD		1331246	1331106
017	SOLID	SW846 8270C		1325202	1325071
	SOLID	MCAWW 160.3 MOD		1331246	1331106
018	SOLID	SW846 8260B		1324469	1324228
	SOLID	MCAWW 160.3 MOD		1331246	1331106
019	SOLID	SW846 8260B		1324469	1324228
	SOLID	MCAWW 160.3 MOD		1331246	1331106
020	WATER	SW846 8260B		1325351	1325183
021	SOLID	SW846 8260B		1330178	1330060
	SOLID	MCAWW 160.3 MOD		1331246	1331106
022	SOLID	SW846 8260B		1324469	1324228
	SOLID	MCAWW 160.3 MOD		1331246	1331106
023	WATER	SW846 8260B		1325351	1325183

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D1K120155 Work Order #...: EN8WP1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: D1K190000-350 EN8WP1AD-LCSD
 Prep Date.....: 11/17/01 Analysis Date...: 11/17/01
 Prep Batch #...: 1323350 Analysis Time...: 08:31
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	100	(78 - 118)			SW846 8260B
	96	(78 - 118)	4.2	(0-25)	SW846 8260B
Benzene	95	(79 - 121)			SW846 8260B
	92	(79 - 121)	3.6	(0-25)	SW846 8260B
Chlorobenzene	94	(76 - 116)			SW846 8260B
	89	(76 - 116)	5.5	(0-25)	SW846 8260B
Toluene	95	(76 - 116)			SW846 8260B
	89	(76 - 116)	6.5	(0-25)	SW846 8260B
Trichloroethene	99	(83 - 123)			SW846 8260B
	94	(83 - 123)	5.3	(0-25)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(80 - 120)
	107	(80 - 120)
1,2-Dichloroethane-d4	115	(79 - 125)
	116	(79 - 125)
4-Bromofluorobenzene	99	(71 - 132)
	100	(71 - 132)
Toluene-d8	99	(77 - 117)
	96	(77 - 117)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K120155 Work Order #....: EN8WP1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: D1K190000-350 EN8WP1AD-LCSD
 Prep Date.....: 11/17/01 Analysis Date...: 11/17/01
 Prep Batch #....: 1323350 Analysis Time...: 08:31
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	50.0	49.9	ug/kg	100		SW846 8260B
	50.0	47.9	ug/kg	96	4.2	SW846 8260B
Benzene	50.0	47.7	ug/kg	95		SW846 8260B
	50.0	46.0	ug/kg	92	3.6	SW846 8260B
Chlorobenzene	50.0	47.0	ug/kg	94		SW846 8260B
	50.0	44.5	ug/kg	89	5.5	SW846 8260B
Toluene	50.0	47.6	ug/kg	95		SW846 8260B
	50.0	44.6	ug/kg	89	6.5	SW846 8260B
Trichloroethene	50.0	49.5	ug/kg	99		SW846 8260B
	50.0	47.0	ug/kg	94	5.3	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(80 - 120)
	107	(80 - 120)
1,2-Dichloroethane-d4	115	(79 - 125)
	116	(79 - 125)
4-Bromofluorobenzene	99	(71 - 132)
	100	(71 - 132)
Toluene-d8	99	(77 - 117)
	96	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K120155 Work Order #....: EPCGT1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: D1K200000-469 EPCGT1AD-LCSD
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324469 Analysis Time...: 13:42
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	97	(78 - 118)			SW846 8260B
	99	(78 - 118)	2.6	(0-25)	SW846 8260B
Benzene	93	(79 - 121)			SW846 8260B
	94	(79 - 121)	0.84	(0-25)	SW846 8260B
Chlorobenzene	89	(76 - 116)			SW846 8260B
	91	(76 - 116)	1.5	(0-25)	SW846 8260B
Toluene	90	(76 - 116)			SW846 8260B
	91	(76 - 116)	0.58	(0-25)	SW846 8260B
Trichloroethene	97	(83 - 123)			SW846 8260B
	93	(83 - 123)	4.4	(0-25)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(80 - 120)
	100	(80 - 120)
1,2-Dichloroethane-d4	100	(79 - 125)
	101	(79 - 125)
4-Bromofluorobenzene	100	(71 - 132)
	103	(71 - 132)
Toluene-d8	100	(77 - 117)
	100	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K120155 Work Order #....: EPCGT1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: D1K200000-469 EPCGT1AD-LCSD
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324469 Analysis Time...: 13:42
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	50.0	48.3	ug/kg	97		SW846 8260B
	50.0	49.6	ug/kg	99	2.6	SW846 8260B
Benzene	50.0	46.7	ug/kg	93		SW846 8260B
	50.0	47.1	ug/kg	94	0.84	SW846 8260B
Chlorobenzene	50.0	44.6	ug/kg	89		SW846 8260B
	50.0	45.3	ug/kg	91	1.5	SW846 8260B
Toluene	50.0	45.0	ug/kg	90		SW846 8260B
	50.0	45.3	ug/kg	91	0.58	SW846 8260B
Trichloroethene	50.0	48.6	ug/kg	97		SW846 8260B
	50.0	46.5	ug/kg	93	4.4	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(80 - 120)
	100	(80 - 120)
1,2-Dichloroethane-d4	100	(79 - 125)
	101	(79 - 125)
4-Bromofluorobenzene	100	(71 - 132)
	103	(71 - 132)
Toluene-d8	100	(77 - 117)
	100	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K120155 Work Order #....: EPGA41AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: D1K260000-178 EPGA41AD-LCSD
 Prep Date.....: 11/19/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1330178 Analysis Time...: 11:32
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	82	(54 - 129)			SW846 8260B
	88	(54 - 129)	6.0	(0-30)	SW846 8260B
Benzene	96	(73 - 119)			SW846 8260B
	94	(73 - 119)	2.1	(0-30)	SW846 8260B
Chlorobenzene	96	(70 - 120)			SW846 8260B
	97	(70 - 120)	1.1	(0-30)	SW846 8260B
Trichloroethene	97	(76 - 118)			SW846 8260B
	98	(76 - 118)	1.5	(0-30)	SW846 8260B
Toluene	93	(71 - 119)			SW846 8260B
	93	(71 - 119)	0.090	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(72 - 121)
	102	(72 - 121)
1,2-Dichloroethane-d4	105	(53 - 131)
	98	(53 - 131)
4-Bromofluorobenzene	107	(71 - 127)
	107	(71 - 127)
Toluene-d8	97	(57 - 130)
	98	(57 - 130)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K120155 Work Order #....: EPGA41AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: D1K260000-178 EPGA41AD-LCSD
 Prep Date.....: 11/19/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1330178 Analysis Time...: 11:32
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	2000	1650	ug/kg	82		SW846 8260B
	2000	1750	ug/kg	88	6.0	SW846 8260B
Benzene	2000	1920	ug/kg	96		SW846 8260B
	2000	1880	ug/kg	94	2.1	SW846 8260B
Chlorobenzene	2000	1920	ug/kg	96		SW846 8260B
	2000	1950	ug/kg	97	1.1	SW846 8260B
Trichloroethene	2000	1930	ug/kg	97		SW846 8260B
	2000	1960	ug/kg	98	1.5	SW846 8260B
Toluene	2000	1860	ug/kg	93		SW846 8260B
	2000	1860	ug/kg	93	0.090	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(72 - 121)
	102	(72 - 121)
1,2-Dichloroethane-d4	105	(53 - 131)
	98	(53 - 131)
4-Bromofluorobenzene	107	(71 - 127)
	107	(71 - 127)
Toluene-d8	97	(57 - 130)
	98	(57 - 130)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K120155 Work Order #....: EN8R51AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: D1K190000-329 EN8R51AD-LCSD
 Prep Date.....: 11/17/01 Analysis Date...: 11/17/01
 Prep Batch #....: 1323329 Analysis Time...: 12:00
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	87	(54 - 129)			SW846 8260B
	87	(54 - 129)	0.70	(0-30)	SW846 8260B
Benzene	94	(73 - 119)			SW846 8260B
	93	(73 - 119)	0.86	(0-30)	SW846 8260B
Chlorobenzene	94	(70 - 120)			SW846 8260B
	97	(70 - 120)	3.0	(0-30)	SW846 8260B
Trichloroethene	98	(76 - 118)			SW846 8260B
	91	(76 - 118)	8.1	(0-30)	SW846 8260B
Toluene	87	(71 - 119)			SW846 8260B
	94	(71 - 119)	7.3	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(72 - 121)
	97	(72 - 121)
1,2-Dichloroethane-d4	99	(53 - 131)
	96	(53 - 131)
4-Bromofluorobenzene	104	(71 - 127)
	105	(71 - 127)
Toluene-d8	100	(57 - 130)
	103	(57 - 130)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K120155 Work Order #....: EN8R51AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: D1K190000-329 EN8R51AD-LCSD
 Prep Date.....: 11/17/01 Analysis Date...: 11/17/01
 Prep Batch #....: 1323329 Analysis Time...: 12:00
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	2000	1730	ug/kg	87		SW846 8260B
	2000	1740	ug/kg	87	0.70	SW846 8260B
Benzene	2000	1880	ug/kg	94		SW846 8260B
	2000	1860	ug/kg	93	0.86	SW846 8260B
Chlorobenzene	2000	1880	ug/kg	94		SW846 8260B
	2000	1940	ug/kg	97	3.0	SW846 8260B
Trichloroethene	2000	1960	ug/kg	98		SW846 8260B
	2000	1810	ug/kg	91	8.1	SW846 8260B
Toluene	2000	1740	ug/kg	87		SW846 8260B
	2000	1870	ug/kg	94	7.3	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(72 - 121)
	97	(72 - 121)
1,2-Dichloroethane-d4	99	(53 - 131)
	96	(53 - 131)
4-Bromofluorobenzene	104	(71 - 127)
	105	(71 - 127)
Toluene-d8	100	(57 - 130)
	103	(57 - 130)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K120155 Work Order #....: EPEJMIAC-LCS Matrix.....: WATER
 LCS Lot-Sample#: D1K210000-351 EPEJMIAD-LCSD
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1325351 Analysis Time...: 13:14
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	97	(79 - 119)			SW846 8260B
	93	(79 - 119)	3.9	(0-20)	SW846 8260B
Benzene	98	(79 - 119)			SW846 8260B
	94	(79 - 119)	4.0	(0-20)	SW846 8260B
Chlorobenzene	92	(76 - 116)			SW846 8260B
	90	(76 - 116)	2.4	(0-20)	SW846 8260B
Toluene	91	(75 - 122)			SW846 8260B
	89	(75 - 122)	2.7	(0-20)	SW846 8260B
Trichloroethene	99	(81 - 121)			SW846 8260B
	95	(81 - 121)	3.3	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	115	(80 - 120)
	113	(80 - 120)
1,2-Dichloroethane-d4	124	(72 - 127)
	119	(72 - 127)
4-Bromofluorobenzene	90	(79 - 119)
	89	(79 - 119)
Toluene-d8	93	(79 - 119)
	91	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K120155 Work Order #....: EPEJMIAC-LCS Matrix.....: WATER
 LCS Lot-Sample#: D1K210000-351 EPEJMIAD-LCSD
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1325351 Analysis Time...: 13:14
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	9.72	ug/L	97		SW846 8260B
	10.0	9.34	ug/L	93	3.9	SW846 8260B
Benzene	10.0	9.82	ug/L	98		SW846 8260B
	10.0	9.44	ug/L	94	4.0	SW846 8260B
Chlorobenzene	10.0	9.18	ug/L	92		SW846 8260B
	10.0	8.97	ug/L	90	2.4	SW846 8260B
Toluene	10.0	9.11	ug/L	91		SW846 8260B
	10.0	8.87	ug/L	89	2.7	SW846 8260B
Trichloroethene	10.0	9.86	ug/L	99		SW846 8260B
	10.0	9.54	ug/L	95	3.3	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	115	(80 - 120)
	113	(80 - 120)
1,2-Dichloroethane-d4	124	(72 - 127)
	119	(72 - 127)
4-Bromofluorobenzene	90	(79 - 119)
	89	(79 - 119)
Toluene-d8	93	(79 - 119)
	91	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K120155
MB Lot-Sample #: D1K190000-350

Work Order #....: EN8WP1AA

Matrix.....: SOLID

Analysis Date...: 11/17/01
Dilution Factor: 1

Prep Date.....: 11/17/01
Prep Batch #....: 1323350

Analysis Time...: 09:25

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Chlorodibromomethane	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Chloroform	ND	10	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	2.5	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	2.5	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trichloro- benzene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
Vinyl chloride	ND	5.0	ug/kg	SW846 8260B
o-Xylene	ND	2.5	ug/kg	SW846 8260B
m-Xylene & p-Xylene	ND	2.5	ug/kg	SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K120155

Work Order #....: EN8WP1AA

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
Bromobenzene	ND	5.0	ug/kg		SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg		SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg		SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg		SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg		SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg		SW846 8260B
Dibromomethane	ND	5.0	ug/kg		SW846 8260B
1,3-Dichloropropane	ND	5.0	ug/kg		SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg		SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg		SW846 8260B
Hexachlorobutadiene	ND	5.0	ug/kg		SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg		SW846 8260B
Naphthalene	ND	5.0	ug/kg		SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg		SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg		SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg		SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg		SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg		SW846 8260B
SURROGATE	PERCENT		RECOVERY		
	RECOVERY		LIMITS		
Dibromofluoromethane	109		(80 - 120)		
1,2-Dichloroethane-d4	116		(79 - 125)		
4-Bromofluorobenzene	99		(71 - 132)		
Toluene-d8	93		(77 - 117)		

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D1K120155
MB Lot-Sample #: D1K200000-469

Work Order #...: EPCGT1AA

Matrix.....: SOLID

Analysis Date...: 11/19/01
Dilution Factor: 1

Prep Date.....: 11/19/01
Prep Batch #...: 1324469

Analysis Time...: 14:36

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
Benzene	ND	5.0	ug/kg		SW846 8260B
Bromobenzene	ND	5.0	ug/kg		SW846 8260B
Bromochloromethane	ND	5.0	ug/kg		SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg		SW846 8260B
Bromoform	ND	5.0	ug/kg		SW846 8260B
Bromomethane	ND	10	ug/kg		SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg		SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg		SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg		SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg		SW846 8260B
Chlorobenzene	ND	5.0	ug/kg		SW846 8260B
Chlorodibromomethane	ND	5.0	ug/kg		SW846 8260B
Chloroethane	ND	10	ug/kg		SW846 8260B
Chloroform	ND	10	ug/kg		SW846 8260B
Chloromethane	ND	10	ug/kg		SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg		SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg		SW846 8260B
Dibromomethane	ND	5.0	ug/kg		SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg		SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg		SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg		SW846 8260B
Dichlorodifluoromethane	ND	10	ug/kg		SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg		SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg		SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg		SW846 8260B
cis-1,2-Dichloroethene	ND	2.5	ug/kg		SW846 8260B
trans-1,2-Dichloroethene	ND	2.5	ug/kg		SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg		SW846 8260B
1,3-Dichloropropane	ND	5.0	ug/kg		SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg		SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg		SW846 8260B
Ethylbenzene	ND	5.0	ug/kg		SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg		SW846 8260B
Hexachlorobutadiene	ND	5.0	ug/kg		SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg		SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg		SW846 8260B
Methylene chloride	ND	5.0	ug/kg		SW846 8260B
Naphthalene	ND	5.0	ug/kg		SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg		SW846 8260B
Styrene	ND	5.0	ug/kg		SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg		SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D1K120155

Work Order #...: EPCGT1AA

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg		SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg		SW846 8260B
Toluene	ND	5.0	ug/kg		SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg		SW846 8260B
1,2,4-Trichloro- benzene	ND	5.0	ug/kg		SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg		SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg		SW846 8260B
Trichloroethene	ND	5.0	ug/kg		SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg		SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg		SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg		SW846 8260B
Vinyl chloride	ND	5.0	ug/kg		SW846 8260B
o-Xylene	ND	2.5	ug/kg		SW846 8260B
m-Xylene & p-Xylene	ND	2.5	ug/kg		SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	10	ug/kg		SW846 8260B
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg		SW846 8260B
SURROGATE	PERCENT		RECOVERY		
	RECOVERY		LIMITS		
Dibromofluoromethane	101		(80 - 120)		
1,2-Dichloroethane-d4	98		(79 - 125)		
4-Bromofluorobenzene	100		(71 - 132)		
Toluene-d8	99		(77 - 117)		

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K120155
MB Lot-Sample #: D1K260000-178

Work Order #....: EPGA41AA

Matrix.....: SOLID

Analysis Date...: 11/20/01

Prep Date.....: 11/19/01

Analysis Time...: 12:22

Dilution Factor: 1

Prep Batch #....: 1330178

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	250	ug/kg	SW846 8260B
Bromobenzene	ND	250	ug/kg	SW846 8260B
Bromochloromethane	ND	250	ug/kg	SW846 8260B
Bromodichloromethane	ND	250	ug/kg	SW846 8260B
Bromoform	ND	250	ug/kg	SW846 8260B
Bromomethane	ND	500	ug/kg	SW846 8260B
n-Butylbenzene	ND	250	ug/kg	SW846 8260B
sec-Butylbenzene	ND	250	ug/kg	SW846 8260B
tert-Butylbenzene	ND	250	ug/kg	SW846 8260B
Carbon tetrachloride	ND	250	ug/kg	SW846 8260B
Chlorobenzene	ND	250	ug/kg	SW846 8260B
Chlorodibromomethane	ND	250	ug/kg	SW846 8260B
Chloroethane	ND	500	ug/kg	SW846 8260B
Chloroform	ND	500	ug/kg	SW846 8260B
Chloromethane	ND	500	ug/kg	SW846 8260B
2-Chlorotoluene	ND	250	ug/kg	SW846 8260B
4-Chlorotoluene	ND	250	ug/kg	SW846 8260B
Dibromomethane	ND	250	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	500	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	250	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	250	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	250	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	120	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	120	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	250	ug/kg	SW846 8260B
1,3-Dichloropropane	ND	250	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	250	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	250	ug/kg	SW846 8260B
Ethylbenzene	ND	250	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	500	ug/kg	SW846 8260B
Hexachlorobutadiene	ND	250	ug/kg	SW846 8260B
Isopropylbenzene	ND	250	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	250	ug/kg	SW846 8260B
Methylene chloride	ND	250	ug/kg	SW846 8260B
Naphthalene	ND	250	ug/kg	SW846 8260B
n-Propylbenzene	ND	250	ug/kg	SW846 8260B
Styrene	ND	250	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	250	ug/kg	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K120155

Work Order #....: EPGA41AA

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
1,1,2,2-Tetrachloroethane	ND	250	ug/kg		SW846 8260B
Tetrachloroethene	ND	250	ug/kg		SW846 8260B
Toluene	ND	250	ug/kg		SW846 8260B
1,2,3-Trichlorobenzene	ND	250	ug/kg		SW846 8260B
1,2,4-Trichloro- benzene	ND	250	ug/kg		SW846 8260B
1,1,1-Trichloroethane	ND	250	ug/kg		SW846 8260B
1,1,2-Trichloroethane	ND	250	ug/kg		SW846 8260B
Trichloroethene	ND	250	ug/kg		SW846 8260B
1,2,3-Trichloropropane	ND	250	ug/kg		SW846 8260B
1,2,4-Trimethylbenzene	ND	250	ug/kg		SW846 8260B
1,3,5-Trimethylbenzene	ND	250	ug/kg		SW846 8260B
Vinyl chloride	ND	250	ug/kg		SW846 8260B
o-Xylene	ND	120	ug/kg		SW846 8260B
m-Xylene & p-Xylene	ND	120	ug/kg		SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	500	ug/kg		SW846 8260B
1,2-Dibromoethane (EDB)	ND	250	ug/kg		SW846 8260B
SURROGATE	PERCENT		RECOVERY		
	RECOVERY		LIMITS		
Dibromofluoromethane	99		(72 - 121)		
1,2-Dichloroethane-d4	99		(53 - 131)		
4-Bromofluorobenzene	102		(71 - 127)		
Toluene-d8	94		(57 - 130)		

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D1K120155
MB Lot-Sample #: D1K190000-329

Work Order #...: EN8R51AA

Matrix.....: SOLID

Analysis Date...: 11/17/01

Prep Date.....: 11/17/01

Analysis Time...: 12:50

Dilution Factor: 1

Prep Batch #...: 1323329

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
Benzene	ND	250	ug/kg		SW846 8260B
Bromodichloromethane	ND	250	ug/kg		SW846 8260B
n-Butylbenzene	ND	250	ug/kg		SW846 8260B
sec-Butylbenzene	ND	250	ug/kg		SW846 8260B
Chlorobenzene	ND	250	ug/kg		SW846 8260B
Chlorodibromomethane	ND	250	ug/kg		SW846 8260B
Chloroethane	ND	500	ug/kg		SW846 8260B
Chloroform	ND	500	ug/kg		SW846 8260B
Chloromethane	ND	500	ug/kg		SW846 8260B
Dibromomethane	ND	250	ug/kg		SW846 8260B
1,1-Dichloroethane	ND	250	ug/kg		SW846 8260B
1,2-Dichloroethane	ND	250	ug/kg		SW846 8260B
1,1-Dichloroethene	ND	250	ug/kg		SW846 8260B
1,2-Dichloropropane	ND	250	ug/kg		SW846 8260B
Ethylbenzene	ND	250	ug/kg		SW846 8260B
Trichlorofluoromethane	ND	500	ug/kg		SW846 8260B
Isopropylbenzene	ND	250	ug/kg		SW846 8260B
p-Isopropyltoluene	ND	250	ug/kg		SW846 8260B
Methylene chloride	ND	250	ug/kg		SW846 8260B
n-Propylbenzene	ND	250	ug/kg		SW846 8260B
Styrene	ND	250	ug/kg		SW846 8260B
1,1,2,2-Tetrachloroethane	ND	250	ug/kg		SW846 8260B
Tetrachloroethene	ND	250	ug/kg		SW846 8260B
Toluene	ND	250	ug/kg		SW846 8260B
1,1,1-Trichloroethane	ND	250	ug/kg		SW846 8260B
Trichloroethene	ND	250	ug/kg		SW846 8260B
1,2,4-Trimethylbenzene	ND	250	ug/kg		SW846 8260B
1,3,5-Trimethylbenzene	ND	250	ug/kg		SW846 8260B
Vinyl chloride	ND	250	ug/kg		SW846 8260B
1,2-Dibromoethane (EDB)	ND	250	ug/kg		SW846 8260B
trans-1,2-Dichloroethene	ND	120	ug/kg		SW846 8260B
1,3-Dichloropropane	ND	250	ug/kg		SW846 8260B
2,2-Dichloropropane	ND	250	ug/kg		SW846 8260B
1,1-Dichloropropene	ND	250	ug/kg		SW846 8260B
Bromobenzene	ND	250	ug/kg		SW846 8260B
Bromochloromethane	ND	250	ug/kg		SW846 8260B
Bromoform	ND	250	ug/kg		SW846 8260B
Bromomethane	ND	500	ug/kg		SW846 8260B
tert-Butylbenzene	ND	250	ug/kg		SW846 8260B
Carbon tetrachloride	ND	250	ug/kg		SW846 8260B
2-Chlorotoluene	ND	250	ug/kg		SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D1K120155

Work Order #...: EN8R51AA

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Chlorotoluene	ND	250	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	500	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	120	ug/kg	SW846 8260B
Hexachlorobutadiene	ND	250	ug/kg	SW846 8260B
Naphthalene	ND	250	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	250	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	250	ug/kg	SW846 8260B
1,2,4-Trichloro- benzene	ND	250	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	250	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	250	ug/kg	SW846 8260B
o-Xylene	ND	120	ug/kg	SW846 8260B
m-Xylene & p-Xylene	ND	120	ug/kg	SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	500	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(72 - 121)
1,2-Dichloroethane-d4	97	(53 - 131)
4-Bromofluorobenzene	98	(71 - 127)
Toluene-d8	99	(57 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K120155
MB Lot-Sample #: D1K210000-351

Work Order #....: EPEJMI1AA

Matrix.....: WATER

Analysis Date...: 11/19/01
Dilution Factor: 1

Prep Date.....: 11/19/01
Prep Batch #....: 1325351

Analysis Time...: 14:03

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
Benzene	ND	1.0	ug/L		SW846 8260B
Bromobenzene	ND	1.0	ug/L		SW846 8260B
Bromochloromethane	ND	1.0	ug/L		SW846 8260B
Bromodichloromethane	ND	1.0	ug/L		SW846 8260B
Bromoform	ND	1.0	ug/L		SW846 8260B
Bromomethane	ND	2.0	ug/L		SW846 8260B
n-Butylbenzene	ND	1.0	ug/L		SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L		SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L		SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L		SW846 8260B
Chlorobenzene	ND	1.0	ug/L		SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L		SW846 8260B
Chloroethane	ND	2.0	ug/L		SW846 8260B
Chloroform	ND	1.0	ug/L		SW846 8260B
Chloromethane	ND	2.0	ug/L		SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L		SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L		SW846 8260B
Dibromomethane	ND	1.0	ug/L		SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L		SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L		SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L		SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L		SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L		SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L		SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L		SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L		SW846 8260B
trans-1,2-Dichloroethene	ND	0.50	ug/L		SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L		SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L		SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/L		SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L		SW846 8260B
Ethylbenzene	ND	1.0	ug/L		SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L		SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L		SW846 8260B
Isopropylbenzene	ND	1.0	ug/L		SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L		SW846 8260B
Methylene chloride	ND	1.0	ug/L		SW846 8260B
Naphthalene	ND	1.0	ug/L		SW846 8260B
n-Propylbenzene	ND	1.0	ug/L		SW846 8260B
Styrene	ND	1.0	ug/L		SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L		SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K120155

Work Order #....: EPEJM1AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L		SW846 8260B
Tetrachloroethene	ND	1.0	ug/L		SW846 8260B
Toluene	ND	1.0	ug/L		SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L		SW846 8260B
1,2,4-Trichloro- benzene	ND	1.0	ug/L		SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L		SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L		SW846 8260B
Trichloroethene	ND	1.0	ug/L		SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L		SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L		SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L		SW846 8260B
Vinyl chloride	ND	1.0	ug/L		SW846 8260B
o-Xylene	ND	1.0	ug/L		SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L		SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L		SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L		SW846 8260B
SURROGATE	PERCENT		RECOVERY		
	RECOVERY		LIMITS		
Dibromofluoromethane	116		(80 - 120)		
1,2-Dichloroethane-d4	120		(72 - 127)		
4-Bromofluorobenzene	89		(79 - 119)		
Toluene-d8	93		(79 - 119)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K120155 Work Order #....: ENVMJ1AC-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K130214-011 ENVMJ1AD-MSD
 Date Sampled....: 11/09/01 13:20 Date Received...: 11/13/01
 Prep Date.....: 11/17/01 Analysis Date...: 11/17/01
 Prep Batch #....: 1323350 Analysis Time...: 10:31
 Dilution Factor: 1 % Moisture.....: 0.0

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	72 a	(78 - 118)			SW846 8260B
	69 a	(78 - 118)	4.9	(0-25)	SW846 8260B
Benzene	67 a	(79 - 121)			SW846 8260B
	66 a	(79 - 121)	1.5	(0-25)	SW846 8260B
Chlorobenzene	61 a	(76 - 116)			SW846 8260B
	62 a	(76 - 116)	1.6	(0-25)	SW846 8260B
Toluene	63 a	(76 - 116)			SW846 8260B
	62 a	(76 - 116)	0.51	(0-25)	SW846 8260B
Trichloroethene	67 a	(83 - 123)			SW846 8260B
	65 a	(83 - 123)	3.7	(0-25)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(80 - 120)
	110	(80 - 120)
1,2-Dichloroethane-d4	121	(79 - 125)
	124	(79 - 125)
4-Bromofluorobenzene	101	(71 - 132)
	100	(71 - 132)
Toluene-d8	90	(77 - 117)
	94	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K120155 Work Order #....: ENVMJ1AC-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K130214-011 ENVMJ1AD-MSD
 Date Sampled....: 11/09/01 13:20 Date Received...: 11/13/01
 Prep Date.....: 11/17/01 Analysis Date...: 11/17/01
 Prep Batch #....: 1323350 Analysis Time...: 10:31
 Dilution Factor: 1 % Moisture.....: 0.0

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	50.0	36.1	ug/kg	72 a		SW846 8260B
	ND	50.0	34.4	ug/kg	69 a	4.9	SW846 8260B
Benzene	ND	50.0	33.5	ug/kg	67 a		SW846 8260B
	ND	50.0	33.0	ug/kg	66 a	1.5	SW846 8260B
Chlorobenzene	ND	50.0	30.4	ug/kg	61 a		SW846 8260B
	ND	50.0	30.9	ug/kg	62 a	1.6	SW846 8260B
Toluene	ND	50.0	31.4	ug/kg	63 a		SW846 8260B
	ND	50.0	31.2	ug/kg	62 a	0.51	SW846 8260B
Trichloroethene	ND	50.0	33.7	ug/kg	67 a		SW846 8260B
	ND	50.0	32.5	ug/kg	65 a	3.7	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(80 - 120)
	110	(80 - 120)
1,2-Dichloroethane-d4	121	(79 - 125)
	124	(79 - 125)
4-Bromofluorobenzene	101	(71 - 132)
	100	(71 - 132)
Toluene-d8	90	(77 - 117)
	94	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K120155 Work Order #....: ENQ7P1AD-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K120155-005 ENQ7P1AE-MSD
 Date Sampled....: 11/07/01 14:20 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324469 Analysis Time...: 16:38
 Dilution Factor: 1 % Moisture.....: 15

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	68 a	(78 - 118)			SW846 8260B
	70 a	(78 - 118)	2.2	(0-25)	SW846 8260B
Benzene	64 a	(79 - 121)			SW846 8260B
	68 a	(79 - 121)	5.0	(0-25)	SW846 8260B
Chlorobenzene	60 a	(76 - 116)			SW846 8260B
	62 a	(76 - 116)	3.6	(0-25)	SW846 8260B
Toluene	59 a	(76 - 116)			SW846 8260B
	64 a	(76 - 116)	7.6	(0-25)	SW846 8260B
Trichloroethene	67 a	(83 - 123)			SW846 8260B
	67 a	(83 - 123)	0.49	(0-25)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(80 - 120)
	101	(80 - 120)
1,2-Dichloroethane-d4	112	(79 - 125)
	105	(79 - 125)
4-Bromofluorobenzene	101	(71 - 132)
	98	(71 - 132)
Toluene-d8	98	(77 - 117)
	101	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K120155 Work Order #....: ENQ7P1AD-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K120155-005 ENQ7P1AE-MSD
 Date Sampled....: 11/07/01-14:20 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1324469 Analysis Time...: 16:38
 Dilution Factor: 1 % Moisture.....: 15

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	50.0	34.2	ug/kg	68 a		SW846 8260B
	ND	50.0	35.0	ug/kg	70 a	2.2	SW846 8260B
Benzene	ND	50.0	32.1	ug/kg	64 a		SW846 8260B
	ND	50.0	33.8	ug/kg	68 a	5.0	SW846 8260B
Chlorobenzene	ND	50.0	29.9	ug/kg	60 a		SW846 8260B
	ND	50.0	31.0	ug/kg	62 a	3.6	SW846 8260B
Toluene	ND	50.0	29.5	ug/kg	59 a		SW846 8260B
	ND	50.0	31.9	ug/kg	64 a	7.6	SW846 8260B
Trichloroethene	ND	50.0	33.3	ug/kg	67 a		SW846 8260B
	ND	50.0	33.5	ug/kg	67 a	0.49	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(80 - 120)
	101	(80 - 120)
1,2-Dichloroethane-d4	112	(79 - 125)
	105	(79 - 125)
4-Bromofluorobenzene	101	(71 - 132)
	98	(71 - 132)
Toluene-d8	98	(77 - 117)
	101	(77 - 117)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K120155 Work Order #....: ENQ7C1AD-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K120155-003 ENQ7C1AE-MSD
 Date Sampled...: 11/07/01 13:50 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1330178 Analysis Time...: 14:26
 Dilution Factor: 1 % Moisture.....: 14

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	76	(54 - 129)			SW846 8260B
	77	(54 - 129)	2.6	(0-30)	SW846 8260B
Benzene	86	(73 - 119)			SW846 8260B
	90	(73 - 119)	5.6	(0-30)	SW846 8260B
Chlorobenzene	90	(70 - 120)			SW846 8260B
	93	(70 - 120)	4.2	(0-30)	SW846 8260B
Trichloroethene	90	(76 - 118)			SW846 8260B
	90	(76 - 118)	1.8	(0-30)	SW846 8260B
Toluene	91	(71 - 119)			SW846 8260B
	90	(71 - 119)	0.42	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(72 - 121)
	92	(72 - 121)
1,2-Dichloroethane-d4	86	(53 - 131)
	88	(53 - 131)
4-Bromofluorobenzene	98	(71 - 127)
	100	(71 - 127)
Toluene-d8	97	(57 - 130)
	99	(57 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K120155 Work Order #....: ENQ7C1AD-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K120155-003 ENQ7C1AE-MSD
 Date Sampled....: 11/07/01 13:50 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1330178 Analysis Time...: 14:26
 Dilution Factor: 1 % Moisture.....: 14

PARAMETER	SAMPLE SPIKE MEASRD				PERCENT		
	AMOUNT	AMT	AMOUNT	UNITS	RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	1930	1460	ug/kg	76		SW846 8260B
	ND	1960	1500	ug/kg	77	2.6	SW846 8260B
Benzene	ND	1930	1670	ug/kg	86		SW846 8260B
	ND	1960	1760	ug/kg	90	5.6	SW846 8260B
Chlorobenzene	ND	1930	1740	ug/kg	90		SW846 8260B
	ND	1960	1810	ug/kg	93	4.2	SW846 8260B
Trichloroethene	ND	1930	1740	ug/kg	90		SW846 8260B
	ND	1960	1770	ug/kg	90	1.8	SW846 8260B
Toluene	ND	1930	1760	ug/kg	91		SW846 8260B
	ND	1960	1760	ug/kg	90	0.42	SW846 8260B

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Dibromofluoromethane	91	(72 - 121)
	92	(72 - 121)
1,2-Dichloroethane-d4	86	(53 - 131)
	88	(53 - 131)
4-Bromofluorobenzene	98	(71 - 127)
	100	(71 - 127)
Toluene-d8	97	(57 - 130)
	99	(57 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K120155 Work Order #....: ENLQT1A2-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K080340-003 ENLQT1A3-MSD
 Date Sampled....: 11/06/01 09:15 Date Received...: 11/08/01
 Prep Date.....: 11/17/01 Analysis Date...: 11/17/01
 Prep Batch #....: 1323329 Analysis Time...: 16:18
 Dilution Factor: 1 % Moisture.....: 24

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	81	(54 - 129)			SW846 8260B
	79	(54 - 129)	2.9	(0-30)	SW846 8260B
Benzene	90	(73 - 119)			SW846 8260B
	91	(73 - 119)	0.85	(0-30)	SW846 8260B
Chlorobenzene	87	(70 - 120)			SW846 8260B
	90	(70 - 120)	2.6	(0-30)	SW846 8260B
Trichloroethene	93	(76 - 118)			SW846 8260B
	90	(76 - 118)	3.8	(0-30)	SW846 8260B
Toluene	87	(71 - 119)			SW846 8260B
	87	(71 - 119)	0.10	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(72 - 121)
	92	(72 - 121)
1,2-Dichloroethane-d4	80	(53 - 131)
	82	(53 - 131)
4-Bromofluorobenzene	93	(71 - 127)
	97	(71 - 127)
Toluene-d8	99	(57 - 130)
	101	(57 - 130)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K120155 Work Order #....: ENLQT1A2-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K080340-003 ENLQT1A3-MSD
 Date Sampled....: 11/06/01 09:15 Date Received...: 11/08/01
 Prep Date.....: 11/17/01 Analysis Date...: 11/17/01
 Prep Batch #....: 1323329 Analysis Time...: 16:18
 Dilution Factor: 1 % Moisture.....: 24

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	2540	2050	ug/kg	81		SW846 8260B
	ND	2520	1990	ug/kg	79	2.9	SW846 8260B
Benzene	ND	2540	2270	ug/kg	90		SW846 8260B
	ND	2520	2290	ug/kg	91	0.85	SW846 8260B
Chlorobenzene	ND	2540	2210	ug/kg	87		SW846 8260B
	ND	2520	2270	ug/kg	90	2.6	SW846 8260B
Trichloroethene	ND	2540	2360	ug/kg	93		SW846 8260B
	ND	2520	2270	ug/kg	90	3.8	SW846 8260B
Toluene	ND	2540	2200	ug/kg	87		SW846 8260B
	ND	2520	2200	ug/kg	87	0.10	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(72 - 121)
	92	(72 - 121)
1,2-Dichloroethane-d4	80	(53 - 131)
	82	(53 - 131)
4-Bromofluorobenzene	93	(71 - 127)
	97	(71 - 127)
Toluene-d8	99	(57 - 130)
	101	(57 - 130)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K120155 Work Order #....: ENRE41AC-MS Matrix.....: WATER
 MS Lot-Sample #: D1K120155-023 ENRE41AD-MSD
 Date Sampled....: 11/08/01 10:00 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1325351 Analysis Time...: 15:25
 Dilution Factor: 40

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	94	(79 - 119)			SW846 8260B
	92	(79 - 119)	1.2	(0-20)	SW846 8260B
Benzene	94	(79 - 119)			SW846 8260B
	93	(79 - 119)	1.1	(0-20)	SW846 8260B
Chlorobenzene	87	(76 - 116)			SW846 8260B
	88	(76 - 116)	0.71	(0-20)	SW846 8260B
Toluene	88	(75 - 122)			SW846 8260B
	87	(75 - 122)	0.46	(0-20)	SW846 8260B
Trichloroethene	94	(81 - 121)			SW846 8260B
	94	(81 - 121)	0.24	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(80 - 120)
	115	(80 - 120)
1,2-Dichloroethane-d4	118	(72 - 127)
	119	(72 - 127)
4-Bromofluorobenzene	86	(79 - 119)
	86	(79 - 119)
Toluene-d8	91	(79 - 119)
	94	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K120155 Work Order #....: ENRE41AC-MS Matrix.....: WATER
 MS Lot-Sample #: D1K120155-023 ENRE41AD-MSD
 Date Sampled....: 11/08/01 10:00 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/19/01
 Prep Batch #....: 1325351 Analysis Time...: 15:25
 Dilution Factor: 40

PARAMETER	SAMPLE SPIKE MEASRD				PERCENT		
	AMOUNT	AMT	AMOUNT	UNITS	RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	400	374	ug/L	94		SW846 8260B
	ND	400	370	ug/L	92	1.2	SW846 8260B
Benzene	ND	400	377	ug/L	94		SW846 8260B
	ND	400	372	ug/L	93	1.1	SW846 8260B
Chlorobenzene	ND	400	348	ug/L	87		SW846 8260B
	ND	400	351	ug/L	88	0.71	SW846 8260B
Toluene	ND	400	350	ug/L	88		SW846 8260B
	ND	400	349	ug/L	87	0.46	SW846 8260B
Trichloroethene	40	400	414	ug/L	94		SW846 8260B
	40	400	416	ug/L	94	0.24	SW846 8260B

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Dibromofluoromethane	112	(80 - 120)
	115	(80 - 120)
1,2-Dichloroethane-d4	118	(72 - 127)
	119	(72 - 127)
4-Bromofluorobenzene	86	(79 - 119)
	86	(79 - 119)
Toluene-d8	91	(79 - 119)
	94	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #....: D1K120155 Work Order #....: EPDK41AC Matrix.....: SOLID
 LCS Lot-Sample#: D1K210000-202
 Prep Date.....: 11/21/01 Analysis Date...: 11/25/01
 Prep Batch #....: 1325202 Analysis Time...: 15:45
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Acenaphthene	71	(49 - 93)	SW846 8270C
Pyrene	74	(48 - 97)	SW846 8270C
4-Chloro-3-methylphenol	73	(52 - 93)	SW846 8270C
2-Chlorophenol	74	(51 - 91)	SW846 8270C
1,4-Dichlorobenzene	67	(46 - 86)	SW846 8270C
2,4-Dinitrotoluene	73	(53 - 105)	SW846 8270C
4-Nitrophenol	68	(29 - 115)	SW846 8270C
N-Nitrosodi-n-propyl- amine	71	(46 - 86)	SW846 8270C
Pentachlorophenol	68	(27 - 97)	SW846 8270C
Phenol	74	(50 - 90)	SW846 8270C
1,2,4-Trichloro- benzene	70	(49 - 90)	SW846 8270C

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorophenol	74	(34 - 97)
Phenol-d5	74	(39 - 90)
Nitrobenzene-d5	73	(33 - 97)
2-Fluorobiphenyl	72	(39 - 91)
2,4,6-Tribromophenol	71	(29 - 95)
Terphenyl-d14	79	(30 - 102)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #....: D1K120155 Work Order #....: EPDK41AC Matrix.....: SOLID
 LCS Lot-Sample#: D1K210000-202
 Prep Date.....: 11/21/01 Analysis Date...: 11/25/01
 Prep Batch #....: 1325202 Analysis Time...: 15:45
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Acenaphthene	3330	2370	ug/kg	71	SW846 8270C
Pyrene	3330	2460	ug/kg	74	SW846 8270C
4-Chloro-3-methylphenol	5000	3650	ug/kg	73	SW846 8270C
2-Chlorophenol	5000	3720	ug/kg	74	SW846 8270C
1,4-Dichlorobenzene	3330	2240	ug/kg	67	SW846 8270C
2,4-Dinitrotoluene	3330	2430	ug/kg	73	SW846 8270C
4-Nitrophenol	5000	3390	ug/kg	68	SW846 8270C
N-Nitrosodi-n-propyl-amine	3330	2370	ug/kg	71	SW846 8270C
Pentachlorophenol	5000	3400	ug/kg	68	SW846 8270C
Phenol	5000	3680	ug/kg	74	SW846 8270C
1,2,4-Trichloro-benzene	3330	2330	ug/kg	70	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	74	(34 - 97)
Phenol-d5	74	(39 - 90)
Nitrobenzene-d5	73	(33 - 97)
2-Fluorobiphenyl	72	(39 - 91)
2,4,6-Tribromophenol	71	(29 - 95)
Terphenyl-d14	79	(30 - 102)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #....: D1K120155
MB Lot-Sample #: D1K210000-202

Work Order #....: EPDK41AA

Matrix.....: SOLID

Analysis Date...: 11/25/01
Dilution Factor: 1

Prep Date.....: 11/21/01

Analysis Time...: 15:22

Prep Batch #....: 1325202

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	330	ug/kg	SW846 8270C
Acenaphthylene	ND	330	ug/kg	SW846 8270C
Anthracene	ND	330	ug/kg	SW846 8270C
Benzo(a)anthracene	ND	330	ug/kg	SW846 8270C
Benzo(b)fluoranthene	ND	330	ug/kg	SW846 8270C
Benzo(k)fluoranthene	ND	330	ug/kg	SW846 8270C
Benzo(ghi)perylene	ND	330	ug/kg	SW846 8270C
Benzo(a)pyrene	ND	330	ug/kg	SW846 8270C
Chrysene	ND	330	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	ND	330	ug/kg	SW846 8270C
Fluoranthene	ND	330	ug/kg	SW846 8270C
Fluorene	ND	330	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	SW846 8270C
Naphthalene	ND	330	ug/kg	SW846 8270C
Phenanthrene	ND	330	ug/kg	SW846 8270C
Pyrene	ND	330	ug/kg	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	SW846 8270C
Dimethyl phthalate	ND	330	ug/kg	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(34 - 97)
Phenol-d5	69	(39 - 90)
Nitrobenzene-d5	70	(33 - 97)
2-Fluorobiphenyl	68	(39 - 91)
2,4,6-Tribromophenol	63	(29 - 95)
Terphenyl-d14	76	(30 - 102)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #....: D1K120155 Work Order #....: ENQ141AP-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K120137-004 ENQ141AQ-MSD
 Date Sampled....: 11/09/01 09:20 Date Received...: 11/10/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/25/01
 Prep Batch #....: 1325202 Analysis Time...: 18:04
 Dilution Factor: 1 % Moisture.....: 18

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	66	(49 - 93)			SW846 8270C
	66	(49 - 93)	0.42	(0-40)	SW846 8270C
Pyrene	64	(48 - 97)			SW846 8270C
	68	(48 - 97)	7.0	(0-40)	SW846 8270C
4-Chloro-3-methylphenol	67	(52 - 93)			SW846 8270C
	68	(52 - 93)	0.72	(0-40)	SW846 8270C
2-Chlorophenol	68	(51 - 91)			SW846 8270C
	69	(51 - 91)	1.6	(0-36)	SW846 8270C
1,4-Dichlorobenzene	62	(46 - 86)			SW846 8270C
	61	(46 - 86)	2.5	(0-40)	SW846 8270C
2,4-Dinitrotoluene	70	(53 - 105)			SW846 8270C
	66	(53 - 105)	5.6	(0-40)	SW846 8270C
4-Nitrophenol	58	(29 - 115)			SW846 8270C
	60	(29 - 115)	3.2	(0-40)	SW846 8270C
N-Nitrosodi-n-propyl- amine	67	(46 - 86)			SW846 8270C
	67	(46 - 86)	0.60	(0-40)	SW846 8270C
Pentachlorophenol	60	(27 - 97)			SW846 8270C
	64	(27 - 97)	6.1	(0-40)	SW846 8270C
Phenol	67	(50 - 90)			SW846 8270C
	67	(50 - 90)	0.48	(0-37)	SW846 8270C
1,2,4-Trichloro- benzene	63	(49 - 90)			SW846 8270C
	63	(49 - 90)	1.2	(0-40)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	68	(34 - 97)
	66	(34 - 97)
Phenol-d5	67	(39 - 90)
	65	(39 - 90)
Nitrobenzene-d5	66	(33 - 97)
	67	(33 - 97)
2-Fluorobiphenyl	65	(39 - 91)
	65	(39 - 91)
2,4,6-Tribromophenol	68	(29 - 95)
	67	(29 - 95)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D1K120155
MS Lot-Sample #: D1K120137-004

Work Order #...: ENQ141AP-MS
ENQ141AQ-MSD

Matrix.....: SOLID

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Terphenyl-d14	66	(30 - 102)
	67	(30 - 102)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #....: D1K120155 Work Order #....: ENQ141AP-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K120137-004 ENQ141AQ-MSD
 Date Sampled....: 11/09/01 09:20 Date Received...: 11/10/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/25/01
 Prep Batch #....: 1325202 Analysis Time...: 18:04
 Dilution Factor: 1 % Moisture.....: 18

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acenaphthene	ND	3330	2210	ug/kg	66		SW846 8270C
	ND	3330	2200	ug/kg	66	0.42	SW846 8270C
Pyrene	ND	3330	2120	ug/kg	64		SW846 8270C
	ND	3330	2280	ug/kg	68	7.0	SW846 8270C
4-Chloro-3-methylphenol	ND	5000	3360	ug/kg	67		SW846 8270C
	ND	5000	3380	ug/kg	68	0.72	SW846 8270C
2-Chlorophenol	ND	5000	3380	ug/kg	68		SW846 8270C
	ND	5000	3440	ug/kg	69	1.6	SW846 8270C
1,4-Dichlorobenzene	ND	3330	2070	ug/kg	62		SW846 8270C
	ND	3330	2020	ug/kg	61	2.5	SW846 8270C
2,4-Dinitrotoluene	ND	3330	2320	ug/kg	70		SW846 8270C
	ND	3330	2190	ug/kg	66	5.6	SW846 8270C
4-Nitrophenol	ND	5000	2920	ug/kg	58		SW846 8270C
	ND	5000	3010	ug/kg	60	3.2	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	3330	2250	ug/kg	67		SW846 8270C
	ND	3330	2240	ug/kg	67	0.60	SW846 8270C
Pentachlorophenol	ND	5000	3010	ug/kg	60		SW846 8270C
	ND	5000	3200	ug/kg	64	6.1	SW846 8270C
Phenol	ND	5000	3330	ug/kg	67		SW846 8270C
	ND	5000	3350	ug/kg	67	0.48	SW846 8270C
1,2,4-Trichloro-benzene	ND	3330	2110	ug/kg	63		SW846 8270C
	ND	3330	2080	ug/kg	63	1.2	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	68	(34 - 97)
	66	(34 - 97)
Phenol-d5	67	(39 - 90)
	65	(39 - 90)
Nitrobenzene-d5	66	(33 - 97)
	67	(33 - 97)
2-Fluorobiphenyl	65	(39 - 91)
	65	(39 - 91)
2,4,6-Tribromophenol	68	(29 - 95)
	67	(29 - 95)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #....: D1K120155
MS Lot-Sample #: D1K120137-004

Work Order #....: ENQ141AP-MS
ENQ141AQ-MSD

Matrix.....: SOLID

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Terphenyl-d14	66	(30 - 102)
	67	(30 - 102)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #....: D1K120155

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP- BATCH #
Mercury	102	(82 - 113)			SW846 7471A	11/19/01	1317288
	98	(82 - 113)	3.6	(0-20)	SW846 7471A	11/19/01	1317288
		Dilution Factor: 1					
Arsenic	97	(87 - 107)			SW846 6010B	11/15-11/18/01	1319444
	99	(87 - 107)	2.1	(0-20)	SW846 6010B	11/15-11/18/01	1319444
		Dilution Factor: 1					
Barium	95	(86 - 114)			SW846 6010B	11/15-11/18/01	1319444
	97	(86 - 114)	1.6	(0-20)	SW846 6010B	11/15-11/18/01	1319444
		Dilution Factor: 1					
Cadmium	95	(89 - 109)			SW846 6010B	11/15-11/18/01	1319444
	97	(89 - 109)	2.1	(0-20)	SW846 6010B	11/15-11/18/01	1319444
		Dilution Factor: 1					
Chromium	98	(88 - 110)			SW846 6010B	11/15-11/18/01	1319444
	100	(88 - 110)	1.9	(0-20)	SW846 6010B	11/15-11/18/01	1319444
		Dilution Factor: 1					
Lead	97	(88 - 108)			SW846 6010B	11/15-11/18/01	1319444
	98	(88 - 108)	1.6	(0-20)	SW846 6010B	11/15-11/18/01	1319444
		Dilution Factor: 1					
Selenium	94	(86 - 107)			SW846 6010B	11/15-11/18/01	1319444
	97	(86 - 107)	2.6	(0-20)	SW846 6010B	11/15-11/18/01	1319444
		Dilution Factor: 1					
Silver	101	(88 - 108)			SW846 6010B	11/15-11/18/01	1319444
	102	(88 - 108)	1.5	(0-20)	SW846 6010B	11/15-11/18/01	1319444
		Dilution Factor: 1					

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #....: D1K120155

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Mercury	0.417	0.424	mg/kg	102		SW846 7471A	11/19/01	1317288
	0.417	0.409	mg/kg	98	3.6	SW846 7471A	11/19/01	1317288
			Dilution Factor: 1					
Arsenic	200	194	mg/kg	97		SW846 6010B	11/15-11/18/01	1319444
	200	198	mg/kg	99	2.1	SW846 6010B	11/15-11/18/01	1319444
			Dilution Factor: 1					
Barium	200	190	mg/kg	95		SW846 6010B	11/15-11/18/01	1319444
	200	193	mg/kg	97	1.6	SW846 6010B	11/15-11/18/01	1319444
			Dilution Factor: 1					
Cadmium	5.00	4.73	mg/kg	95		SW846 6010B	11/15-11/18/01	1319444
	5.00	4.83	mg/kg	97	2.1	SW846 6010B	11/15-11/18/01	1319444
			Dilution Factor: 1					
Chromium	20.0	19.7	mg/kg	98		SW846 6010B	11/15-11/18/01	1319444
	20.0	20.1	mg/kg	100	1.9	SW846 6010B	11/15-11/18/01	1319444
			Dilution Factor: 1					
Lead	50.0	48.4	mg/kg	97		SW846 6010B	11/15-11/18/01	1319444
	50.0	49.2	mg/kg	98	1.6	SW846 6010B	11/15-11/18/01	1319444
			Dilution Factor: 1					
Selenium	200	188	mg/kg	94		SW846 6010B	11/15-11/18/01	1319444
	200	193	mg/kg	97	2.6	SW846 6010B	11/15-11/18/01	1319444
			Dilution Factor: 1					
Silver	5.00	5.04	mg/kg	101		SW846 6010B	11/15-11/18/01	1319444
	5.00	5.11	mg/kg	102	1.5	SW846 6010B	11/15-11/18/01	1319444
			Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: D1K120155

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D1K130000-288 Prep Batch #....: 1317288						
Mercury	ND	0.033	mg/kg	SW846 7471A	11/19/01	ENT951AA
		Dilution Factor: 1				
		Analysis Time...: 22:38				
MB Lot-Sample #: D1K150000-444 Prep Batch #....: 1319444						
Arsenic	ND	1.0	mg/kg	SW846 6010B	11/15-11/18/01	EN2231AC
		Dilution Factor: 1				
		Analysis Time...: 17:49				
Barium	ND	1.0	mg/kg	SW846 6010B	11/15-11/18/01	EN2231DH
		Dilution Factor: 1				
		Analysis Time...: 17:49				
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/15-11/18/01	EN2231AF
		Dilution Factor: 1				
		Analysis Time...: 17:49				
Chromium	ND	1.0	mg/kg	SW846 6010B	11/15-11/18/01	EN2231DJ
		Dilution Factor: 1				
		Analysis Time...: 17:49				
Lead	ND	0.80	mg/kg	SW846 6010B	11/15-11/18/01	EN2231AK
		Dilution Factor: 1				
		Analysis Time...: 17:49				
Selenium	ND	1.3	mg/kg	SW846 6010B	11/15-11/18/01	EN2231AN
		Dilution Factor: 1				
		Analysis Time...: 17:49				
Silver	ND	1.0	mg/kg	SW846 6010B	11/15-11/18/01	EN2231AP
		Dilution Factor: 1				
		Analysis Time...: 17:49				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: D1K120155

Matrix.....: SOLID

Date Sampled....: 11/05/01 10:40 Date Received...: 11/08/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D1K090222-001 Prep Batch #....: 1317288						
Mercury	89	(82 - 113)		SW846 7471A	11/19/01	ENM7M1A9
	98	(82 - 113) 9.7	(0-20)	SW846 7471A	11/19/01	ENM7M1CA
		Dilution Factor: 1				
		Analysis Time...: 22:44				
MS Lot-Sample #: D1K090222-001 Prep Batch #....: 1319444						
Arsenic	93	(87 - 107)		SW846 6010B	11/15-11/18/01	ENM7M1CG
	91	(87 - 107) 2.1	(0-20)	SW846 6010B	11/15-11/18/01	ENM7M1CH
		Dilution Factor: 1				
		Analysis Time...: 18:15				
Barium	90	(86 - 114)		SW846 6010B	11/15-11/18/01	ENM7M1DW
	90	(86 - 114) 0.21	(0-20)	SW846 6010B	11/15-11/18/01	ENM7M1DX
		Dilution Factor: 1				
		Analysis Time...: 18:15				
Cadmium	90	(89 - 109)		SW846 6010B	11/15-11/18/01	ENM7M1CN
	89	(89 - 109) 0.91	(0-20)	SW846 6010B	11/15-11/18/01	ENM7M1CP
		Dilution Factor: 1				
		Analysis Time...: 18:15				
Chromium	90	(88 - 110)		SW846 6010B	11/15-11/18/01	ENM7M1D1
	92	(88 - 110) 1.6	(0-20)	SW846 6010B	11/15-11/18/01	ENM7M1D2
		Dilution Factor: 1				
		Analysis Time...: 18:15				
Lead	92	(88 - 108)		SW846 6010B	11/15-11/18/01	ENM7M1CX
	91	(88 - 108) 0.35	(0-20)	SW846 6010B	11/15-11/18/01	ENM7M1C0
		Dilution Factor: 1				
		Analysis Time...: 18:15				
Selenium	90	(86 - 107)		SW846 6010B	11/15-11/18/01	ENM7M1C5
	89	(86 - 107) 1.4	(0-20)	SW846 6010B	11/15-11/18/01	ENM7M1C6
		Dilution Factor: 1				
		Analysis Time...: 18:15				
Silver	92	(88 - 108)		SW846 6010B	11/15-11/18/01	ENM7M1C7
	89	(88 - 108) 3.7	(0-20)	SW846 6010B	11/15-11/18/01	ENM7M1C8
		Dilution Factor: 1				
		Analysis Time...: 18:15				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D1K120155

Matrix.....: SOLID

Date Sampled...: 11/05/01 10:40 Date Received...: 11/08/01

PARAMETER	AMOUNT	AMT	AMOUNT	UNITS	PERCENT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
-----------	--------	-----	--------	-------	-------------------	-----	--------	-------------------------------	-----------------

MS Lot-Sample #: D1K090222-001 Prep Batch #...: 1317288

Mercury

ND	0.455	0.407	mg/kg	89		SW846	7471A	11/19/01	ENM7M1A9
ND	0.455	0.448	mg/kg	98	9.7	SW846	7471A	11/19/01	ENM7M1CA

Dilution Factor: 1

Analysis Time...: 22:44

MS Lot-Sample #: D1K090222-001 Prep Batch #...: 1319444

Arsenic

1.4	218	204	mg/kg	93		SW846	6010B	11/15-11/18/01	ENM7M1CG
1.4	218	200	mg/kg	91	2.1	SW846	6010B	11/15-11/18/01	ENM7M1CH

Dilution Factor: 1

Analysis Time...: 18:15

Barium

40.3	200	221	mg/kg	90		SW846	6010B	11/15-11/18/01	ENM7M1DW
40.3	200	221	mg/kg	90	0.21	SW846	6010B	11/15-11/18/01	ENM7M1DX

Dilution Factor: 1

Analysis Time...: 18:15

Cadmium

ND	5.45	4.92	mg/kg	90		SW846	6010B	11/15-11/18/01	ENM7M1CN
ND	5.45	4.88	mg/kg	89	0.91	SW846	6010B	11/15-11/18/01	ENM7M1CP

Dilution Factor: 1

Analysis Time...: 18:15

Chromium

4.8	20.0	22.9	mg/kg	90		SW846	6010B	11/15-11/18/01	ENM7M1D1
4.8	20.0	23.3	mg/kg	92	1.6	SW846	6010B	11/15-11/18/01	ENM7M1D2

Dilution Factor: 1

Analysis Time...: 18:15

Lead

5.9	54.5	55.9	mg/kg	92		SW846	6010B	11/15-11/18/01	ENM7M1CX
5.9	54.5	55.7	mg/kg	91	0.35	SW846	6010B	11/15-11/18/01	ENM7M1C0

Dilution Factor: 1

Analysis Time...: 18:15

Selenium

ND	218	197	mg/kg	90		SW846	6010B	11/15-11/18/01	ENM7M1C5
ND	218	194	mg/kg	89	1.4	SW846	6010B	11/15-11/18/01	ENM7M1C6

Dilution Factor: 1

Analysis Time...: 18:15

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: D1K120155

Matrix.....: SOLID

Date Sampled....: 11/05/01 10:40 Date Received...: 11/08/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Silver									
	ND	5.45	5.04	mg/kg	92		SW846 6010B	11/15-11/18/01	ENM7M1C7
	ND	5.45	4.86	mg/kg	89	3.7	SW846 6010B	11/15-11/18/01	ENM7M1C8

Dilution Factor: 1

Analysis Time...: 18:15

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

HOLD TIME REPORT

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GCMS VOA

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K120155001	B-70-18	11/07/01	11:45							
			8260B		10		14		11/17/01 12:47	VOA
D1K120155002	B-76-4	11/07/01	13:30							
			8260B		12		14		11/19/01 19:49	VOA
D1K120155003	B-76-16	11/07/01	13:50							
			8260B		13		14		11/20/01 14:01	VOA
			8260B		13		14		11/20/01 14:01	VOA
D1K120155004	B-57-4	11/07/01	14:04							
			8260B		12		14		11/19/01 15:44	VOA
D1K120155005	B-57-15	11/07/01	14:20							
			8260B		12		14		11/19/01 16:11	VOA
D1K120155006	B-58-4	11/07/01	14:45							
			8260B		12		14		11/19/01 17:32	VOA
D1K120155007	B-58-16	11/07/01	15:00							
			8260B		10		14		11/17/01 15:03	VOA
D1K120155008	B-52-4	11/07/01	15:20							
			8260B		10		14		11/17/01 15:30	VOA
D1K120155009	B-52-15	11/07/01	15:35							
			8260B		10		14		11/17/01 18:46	VOA
			8260B		10		14		11/17/01 18:46	VOA
D1K120155010	B-51-4	11/07/01	15:45							
			8260B		12		14		11/19/01 18:00	VOA
D1K120155011	B-51-15	11/07/01	15:55							
			8260B		12		14		11/19/01 18:27	VOA
D1K120155012	B-49-4	11/07/01	16:20							
			8260B		12		14		11/19/01 18:55	VOA
D1K120155013	B-49-15	11/07/01	16:35							
			8260B		10		14		11/17/01 17:19	VOA
D1K120155014	B-55-17	11/06/01	16:15							
			8260B		11		14		11/17/01 17:47	VOA
D1K120155015	B-55-3	11/06/01	15:30							
			8260B		13		14		11/19/01 15:17	VOA
D1K120155018	B-45-4	11/08/01	08:50							
			8260B		11		14		11/19/01 19:22	VOA
D1K120155019	B-45-14	11/08/01	09:05							
			8260B		11		14		11/19/01 20:17	VOA
D1K120155020	B-45-15	11/08/01	09:15							
			8260B		11		14		11/19/01 14:37	VOA
D1K120155021	B-46-2	11/08/01	09:35							
			8260B		12		14		11/20/01 15:15	VOA
			8260B		12		14		11/20/01 15:15	VOA

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GCMS VOA

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K120155022	B-46-13	11/08/01	09:50							
			8260B		11		14		11/19/01 20:44	VOA
D1K120155023	B-46-17	11/08/01	10:00							
			8260B		11		14		11/19/01 15:01	VOA

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GCMS SEMIOVA

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K120155016	B-49-4	11/08/01	08:25							
			8270C	13	4	14	40	11/21/01 08:30	11/25/01 19:59	BNAs
D1K120155017	B-49-15	11/08/01	08:35							
			8270C	13	4	14	40	11/21/01 08:30	11/25/01 20:22	BNAs

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: METALS

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K120155001	B-70-18	11/07/01	11:45							
			6010B		11		180		11/18/01 18:31	ICP
			6010B		11		180		11/18/01 18:31	ICP
			7471A		12		28		11/19/01 23:05	

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GENERAL CHEMISTRY

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K120155001	B-70-18	11/07/01	11:45							
			160.3 MOD		19		99		11/26/01	15:00
D1K120155002	B-76-4	11/07/01	13:30							
			160.3 MOD		19		99		11/26/01	15:00
D1K120155003	B-76-16	11/07/01	13:50							
			160.3 MOD		19		99		11/26/01	15:00
D1K120155004	B-57-4	11/07/01	14:04							
			160.3 MOD		19		99		11/26/01	15:00
D1K120155005	B-57-15	11/07/01	14:20							
			160.3 MOD		19		99		11/26/01	15:00
D1K120155006	B-58-4	11/07/01	14:45							
			160.3 MOD		19		99		11/26/01	15:00
D1K120155007	B-58-16	11/07/01	15:00							
			160.3 MOD		19		99		11/26/01	15:00
D1K120155008	B-52-4	11/07/01	15:20							
			160.3 MOD		19		99		11/26/01	15:00
D1K120155009	B-52-15	11/07/01	15:35							
			160.3 MOD		19		99		11/26/01	15:00
D1K120155010	B-51-4	11/07/01	15:45							
			160.3 MOD		19		99		11/26/01	15:00
D1K120155011	B-51-15	11/07/01	15:55							
			160.3 MOD		19		99		11/26/01	15:00
D1K120155012	B-49-4	11/07/01	16:20							
			160.3 MOD		19		99		11/26/01	15:00
D1K120155013	B-49-15	11/07/01	16:35							
			160.3 MOD		19		99		11/26/01	15:00
D1K120155014	B-55-17	11/06/01	16:15							
			160.3 MOD		20		99		11/26/01	15:00
D1K120155015	B-55-3	11/06/01	15:30							
			160.3 MOD		20		99		11/26/01	15:00
D1K120155016	B-49-4	11/08/01	08:25							
			160.3 MOD		18		99		11/26/01	15:00
D1K120155017	B-49-15	11/08/01	08:35							
			160.3 MOD		18		99		11/26/01	15:00
D1K120155018	B-45-4	11/08/01	08:50							
			160.3 MOD		18		99		11/26/01	15:00
D1K120155019	B-45-14	11/08/01	09:05							
			160.3 MOD		18		99		11/26/01	15:00
D1K120155021	B-46-2	11/08/01	09:35							
			160.3 MOD		18		99		11/26/01	15:00
D1K120155022	B-46-13	11/08/01	09:50							
			160.3 MOD		18		99		11/26/01	15:00

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

SEVERN
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SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0700)

DEN (0900)

Client Safety-Kleen (Wichita), Inc. Facility		Project Manager Kay Tauscher (Cameron-Cole)		Date 11/8/01	Chain of Custody Number 041157
Address 2549 North New York Avenue		Telephone Number (Area Code)/Fax Number 303-938-5535 / 303-938-5520		Lab Number	Page 2 of 6

City Wichita	State KS	Zip Code 67219	Site Contact Russell Dunn	Lab Contact Kae Yoder	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
Project Name and Location (State)			Carrier/Waybill Number			

Contract/Purchase Order/Quote No			Matrix					Containers & Preservatives																	
Sample I.D. No. and Description (Containers for each sample may be combined on one line)			Date	Time	Air	Aqueous	Sed	Soil	Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		VOC (92609)	Trace Metals								
B-70-18			11/7/01	1145				X	X							X	X								
B-76-4			11/7/01	1330				X	X							X									
B-76-16			11/7/01	1350				X	X							X									
B-57-4			11/7/01	1404				X	X							X									
B-57-15			11/7/01	1420				X	X							X									
B-58-4			11/7/01	1445				X	X							X									
B-58-16			11/7/01	1500				X	X							X									
B-52-4			11/7/01	1520				X	X							X									
B-52-15			11/7/01	1535				X	X							X									
B-51-4			11/7/01	1545				X	X							X									
B-51-15			11/7/01	1555				X	X							X									

Possible Hazard Identification	Sample Disposal	(A fee may be assessed if samples are retained longer than 3 months)
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	

Turn Around Time Required	QC Requirements (Specify)
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input checked="" type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other _____	

1. Relinquished By <i>Jill Matthews</i>	Date 11/9/01	Time 1800	1. Received By <i>David G. Blum</i>	Date 11/10/01	Time 0930
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments
Please call Kay Tauscher immediately with any questions

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report, PINK - Field Copy

800 Comments

Please call Kary Tauscher immediately with any questions.

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Conv

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

SEVERN
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Severn Trent Laboratories, Inc.

128

STL-4124 (0700)

DEN (0900)

Client Safety-Kleen (Wichita) Inc. Facility		Project Manager (A) Kay Trusler (Cameron - Cole)		Date 11/13/01	Chain of Custody Number 041149
Address 2549 North New York Avenue		Telephone Number (Area Code) Fax Number 303-938-5535 / 303-938-5520		Lab Number	Page 1 of 3
City Wichita	State KS	Zip Code 67219	Site Contact Russell Dunn	Lab Contact Kay Trusler	Analysis (Attach list if more space is needed)
Project Name and Location (State) S-K Wichita Facility, Wichita, KS			Carrier/Waybill Number		

Contract/Purchase Order/Quote No. 1205-2			Matrix					Containers & Preservatives							Conditions of Receipt																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed	Soil	Unpres	H ₂ SO ₄	HNO ₃	HCl	NaOH	ZnAc	NaOH	VOC (F200B)	PCN (F200B)	PAH (F200C)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown			Sample Disposal <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			(A fee may be assessed if samples are retained longer than 3 months)							
Turn Around Time Required <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input checked="" type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other _____			QC Requirements (Specify)										
1. Relinquished By <i>Kay Trusler</i>			Date 11/13/01		Time 10:00		1. Received By TO: UPS			Date		Time	
2. Relinquished By			Date		Time		2. Received By <i>Joe Mandy</i>			Date 11/14/01		Time 1015	
3. Relinquished By			Date		Time		3. Received By			Date		Time	

Comments: *(A) Please call Kay Trusler with any questions*

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

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Tel: 303 736 0100
Fax: 303 431 7171
www.stl-inc.com

ANALYTICAL REPORT
REVISED

SAFETY KLEEN (WICHITA, KS)

Lot #: D1K150281

Kay Tauscher

**Cameron-Cole LLC
5777 Central Avenue, Suite 100
Boulder, CO 80301**

**cc: Will Huskie
cc: John Arbuthnot**

SEVERN TRENT LABORATORIES, INC.



**Kae E. Yoder
Project Manager**

January 15, 2002

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Table Of Contents

Standard Deliverables

Report Contents

Total Number of Pages

Standard Deliverables

The Cover Letter and the Report Cover page are considered integral parts of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.

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- Table of Contents
- Case Narrative
- Executive Summary – Detection Highlights
- Methods Summary
- Method/Analyst Summary
- Lot Sample Summary
- Analytical Results
- QC Data Association Summary
- Hold Time Report
- Chain-of-Custody

CASE NARRATIVE

REVISED

Client Name: Safety-Kleen (Wichita)
 Project Name:
 Project Number:
 Sample Delivery Group: D1K150281
 Original Narrative Date: 12/06/01
 Revised Narrative Date: 01/15/02

Sample Receipt

- Nineteen solid samples, and five water samples, submitted by Safety-Kleen (Wichita), Inc., were received by STL Denver on November 14, 2001, according to documented sample acceptance procedures. The samples were received intact at temperatures of 5.3°C and 5.8°C. Analyses requested on the associated chains-of-custody are as follows: GC/MS Volatiles, GC/MS Semivolatiles and Total Metals. No anomalies were encountered during sample receipt.

GC/MS Volatiles

- Sample analysis did not reveal any detected target analytes at or above Safety-Kleen (Wichita)'s RLs, with the exception of the items noted in the following table.

Sample ID	Parameter	Detection	RL	Units
B-68-4	1,1-Dichloroethane	23	5.0	ug/kg
	cis-1,2-Dichloroethene	6.4	2.5	ug/kg
	Ethylbenzene	19	5.0	ug/kg
	1,2,4-Trimethylbenzene	6.0	5.0	ug/kg
	m-Xylene & p-Xylene	110	2.5	ug/kg
	o-Xylene	32	2.5	ug/L
B-68-19	cis-1,2-Dichloroethene	140	5.0	ug/L
	Ethylbenzene	10	5.0	ug/L
	Tetrachloroethene	29	5.0	ug/L
	Toluene	8.2	5.0	ug/L
	1,1,1-Trichloroethane	39	5.0	ug/L
	Trichloroethene	22	5.0	ug/L
	o-Xylene	21	5.0	ug/L
	m-Xylene & p-Xylene	54	10	ug/L
B-77-5	1,1-Dichloroethane	6.3	5.0	ug/kg
B-77-19	1,1-Dichloroethane	8.9	1.0	ug/L
	Toluene	1.1	1.0	ug/L
	1,1,1-Trichloroethane	2.7	1.0	ug/L
B-59-3	n-Butylbenzene	8.6	5.0	ug/kg
	sec-Butylbenzene	18	5.0	ug/kg
	tert-Butylbenzene	12	5.0	ug/kg
	Ethylbenzene	46	5.0	ug/kg
	Isopropylbenzene	11	5.0	ug/kg
	p-Isopropyltoluene	8.1	5.0	ug/kg
	n-Propylbenzene	30	5.0	ug/kg
	Toluene	6.5	5.0	ug/kg
	1,2,4-Trimethylbenzene	70	5.0	ug/kg
	m-Xylene & p-Xylene	27	2.5	ug/kg
	o-Xylene	6.1	2.5	ug/kg
B-107-3	Tetrachloroethene	9.4	5.0	ug/kg
B-63-0.5	Tetrachloroethene	24	5.0	ug/kg
B-63-11	Tetrachloroethene	11000	490	ug/kg
	1,1,1-Trichloroethane	1000	490	ug/kg
	Trichloroethene	590	490	ug/kg

Sample ID	Parameter	Detection	RL	Units
B-63-20	1,1-Dichloroethane	2.5	2.0	ug/L
	Tetrachloroethene	32	2.0	ug/L
	1,1,1-Trichloroethane	9.0	2.0	ug/L
B-80-17	Benzene	1.6	1.0	ug/L
	1,1-Dichloroethane	33	1.0	ug/L
	cis-1,2-Dichloroethene	2.1	1.0	ug/L
	trans-1,2-Dichloroethene	3.0	0.50	ug/L
	Ethylbenzene	1.7	1.0	ug/L
	o-Xylene	1.8	1.0	ug/L
	m-Xylene & p-Xylene	14	2.0	ug/L
B-83-17	1,1-Dichloroethane	44	20	ug/L
	Ethylbenzene	120	20	ug/L
	Toluene	39	20	ug/L
	o-Xylene	190	20	ug/L
	m-Xylene & p-Xylene	310	40	ug/L

- The samples were analyzed within holding time and without incident, with the exception of the following items noted.
- Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. In some cases, due to matrix interference or analytes present above the linear calibration curve, samples had to be analyzed at a dilution. In addition, sample B-63-11 had to be analyzed using the medium-level methanol preparation procedure. For samples analyzed at a dilution, the reporting limits have been adjusted relative to the preparation performed and dilutions required. The following table details the associated dilutions.

Sample ID	Dilution
B-68-19	1:5
B-63-11	1:1.95
B-63-20	1:2
B-83-17	1:20

- Sample B-63-0.5 exhibited internal standard 1,4-Dichlorobenzene-d4 outside the QC control limits. Upon reparation and reanalysis, the internal standard outlier was still present, confirming that this anomaly is most likely due to matrix interference. The original analysis data has been reported.
- Client specific, as well as, standard batch MS/MSDs have been provided. All spike parameters were within QC control limits, with the exception of the items noted in the following table. Method precision and accuracy have been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

Parameter	QC Batch/ Specific Sample	MS %Rec	MSD %Rec	Recovery Limits	RPD	RPD Limits
Trichloroethene	QC Batch 1325275	88	77	81-121	3.0	0-20

GC/MS Semivolatiles

- Sample analysis did not reveal any detected target analytes at or above Safety-Kleen (Wichita)'s RLs, with the exception of the items noted in the following table.

Sample ID	Parameter	Detection	RL	Units
B-68-16	bis (2-Ethylhexyl) phthalate	630	330	ug/kg
B-105-16	bis (2-Ethylhexyl) phthalate	650	330	ug/kg

- The samples were analyzed within holding time and without incident.

Total Metals

- Sample analysis revealed detectable concentrations at or above Safety-Kleen (Wichita)'s RLs, as detailed in the Executive Summary-Detection Highlights Report. The samples were analyzed within holding time and without incident.

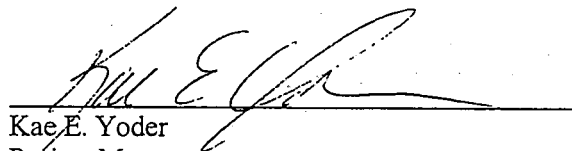
Revisions

The revisions included in this report are as follows:

1. GC/MS Semivolatiles – Additional compounds, bis (2-Ethylhexyl) phthalate and Dimethyl phthalate, have been reported for samples B-68-4, B-68-16 and B-105-16, as requested.
2. GC/MS Semivolatiles – As requested, the laboratory looked for any detectable concentrations present above the method detection limit (MDL) but below the reporting limit. None were found. The MDLs have been printed on the analytical data pages.

These data and reporting limits are being used specifically to meet the needs of this project. All RLs are supported by STL Denver's Method Detection Limits (MDLs). Reporting limits in this report are at or above the MDL.

I certify that the data presented in this report are accurate, complete, and meets the minimum quality assurance standards in 40-CFR 136, 40-CFR 141, and/or SW846. The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. An assessment of the quality of the data, noting any exceptions, outliers, and/or problems encountered have been narrated herein.


Kae E. Yoder
Project Manager


Date 1/15/02

EXECUTIVE SUMMARY - Detection Highlights

D1K150281

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
B-68-4 11/12/01 08:15 001				
Arsenic	5.5	1.0	mg/kg	SW846 6010B
Lead	10.4	0.80	mg/kg	SW846 6010B
Barium	165	1.0	mg/kg	SW846 6010B
Chromium	21.3	1.0	mg/kg	SW846 6010B
1,1-Dichloroethane	23	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	6.4	2.5	ug/kg	SW846 8260B
Ethylbenzene	19	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	6.0	5.0	ug/kg	SW846 8260B
m-Xylene & p-Xylene	110	2.5	ug/kg	SW846 8260B
o-Xylene	32	2.5	ug/kg	SW846 8260B
Percent Moisture	19.7	0.10	%	MCAWW 160.3 MOD
B-68-16 11/12/01 08:30 002				
Lead	2.2	0.80	mg/kg	SW846 6010B
Barium	30.1	1.0	mg/kg	SW846 6010B
Chromium	2.4	1.0	mg/kg	SW846 6010B
bis(2-Ethylhexyl) phthalate	630	330	ug/kg	SW846 8270C
Percent Moisture	7.4	0.10	%	MCAWW 160.3 MOD
B-68-19 11/12/01 08:45 003				
cis-1,2-Dichloroethene	140	5.0	ug/L	SW846 8260B
Ethylbenzene	10	5.0	ug/L	SW846 8260B
Tetrachloroethene	29	5.0	ug/L	SW846 8260B
Toluene	8.2	5.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	39	5.0	ug/L	SW846 8260B
Trichloroethene	22	5.0	ug/L	SW846 8260B
o-Xylene	21	5.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	54	10	ug/L	SW846 8260B
B-69-3 11/12/01 11:00 004				
Arsenic	5.5	1.0	mg/kg	SW846 6010B
Lead	11.3	0.80	mg/kg	SW846 6010B
Barium	190	1.0	mg/kg	SW846 6010B
Chromium	23.0	1.0	mg/kg	SW846 6010B
Percent Moisture	22.0	0.10	%	MCAWW 160.3 MOD

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D1K150281

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
B-69-15 11/12/01 11:15 005				
Arsenic	2.2	1.0	mg/kg	SW846 6010B
Lead	4.6	0.80	mg/kg	SW846 6010B
Barium	34.5	1.0	mg/kg	SW846 6010B
Chromium	7.5	1.0	mg/kg	SW846 6010B
Percent Moisture	15.2	0.10	%	MCAWW 160.3 MOD
B-77-5 11/12/01 12:00 006				
1,1-Dichloroethane	6.3	5.0	ug/kg	SW846 8260B
Percent Moisture	21.1	0.10	%	MCAWW 160.3 MOD
B-77-16 11/12/01 12:15 007				
Percent Moisture	8.4	0.10	%	MCAWW 160.3 MOD
B-77-19 11/12/01 12:20 008				
1,1-Dichloroethane	8.9	1.0	ug/L	SW846 8260B
Toluene	1.1	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	2.7	1.0	ug/L	SW846 8260B
B-59-3 11/12/01 13:30 009				
n-Butylbenzene	8.6	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	18	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	12	5.0	ug/kg	SW846 8260B
Ethylbenzene	46	5.0	ug/kg	SW846 8260B
Isopropylbenzene	11	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	8.1	5.0	ug/kg	SW846 8260B
n-Propylbenzene	30	5.0	ug/kg	SW846 8260B
Toluene	6.5	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	70	5.0	ug/kg	SW846 8260B
m-Xylene & p-Xylene	27	2.5	ug/kg	SW846 8260B
o-Xylene	6.1	2.5	ug/kg	SW846 8260B
Percent Moisture	22.3	0.10	%	MCAWW 160.3 MOD
B-59-15 11/12/01 14:10 010				
Percent Moisture	9.4	0.10	%	MCAWW 160.3 MOD

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EXECUTIVE SUMMARY - Detection Highlights

DIK150281

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
B-105-16 11/12/01 13:00 011				
Arsenic	1.1	1.0	mg/kg	SW846 6010B
Lead	2.4	0.80	mg/kg	SW846 6010B
Barium	18.6	1.0	mg/kg	SW846 6010B
Chromium	3.1	1.0	mg/kg	SW846 6010B
bis(2-Ethylhexyl) phthalate	650	330	ug/kg	SW846 8270C
Percent Moisture	7.4	0.10	%	MCAWW 160.3 MOD
B-107-3 11/12/01 14:00 012				
Tetrachloroethene	9.4	5.0	ug/kg	SW846 8260B
Percent Moisture	24.6	0.10	%	MCAWW 160.3 MOD
B-108-16 11/12/01 12:15 013				
Percent Moisture	4.3	0.10	%	MCAWW 160.3 MOD
B-63-0.5 11/12/01 14:10 014				
Arsenic	11.0	1.0	mg/kg	SW846 6010B
Cadmium	2.4	0.50	mg/kg	SW846 6010B
Lead	1020	0.80	mg/kg	SW846 6010B
Barium	226	1.0	mg/kg	SW846 6010B
Chromium	51.0	1.0	mg/kg	SW846 6010B
Tetrachloroethene	24	5.0	ug/kg	SW846 8260B
Percent Moisture	10.9	0.10	%	MCAWW 160.3 MOD
B-63-11 11/12/01 14:20 015				
Arsenic	4.1	1.0	mg/kg	SW846 6010B
Lead	69.3	0.80	mg/kg	SW846 6010B
Barium	178	1.0	mg/kg	SW846 6010B
Chromium	19.8	1.0	mg/kg	SW846 6010B
Tetrachloroethene	11000	490	ug/kg	SW846 8260B
1,1,1-Trichloroethane	1000	490	ug/kg	SW846 8260B
Trichloroethene	590	490	ug/kg	SW846 8260B
Percent Moisture	29.6	0.10	%	MCAWW 160.3 MOD
B-63-19 11/12/01 14:30 016				
Arsenic	1.5	1.0	mg/kg	SW846 6010B
Lead	2.3	0.80	mg/kg	SW846 6010B
Barium	22.5	1.0	mg/kg	SW846 6010B

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EXECUTIVE SUMMARY - Detection Highlights

D1K150281

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
B-63-19 11/12/01 14:30 016				
Chromium	1.6	1.0	mg/kg	SW846 6010B
Percent Moisture	10.0	0.10	%	MCAWW 160.3 MOD
B-63-20 11/12/01 14:35 017				
1,1-Dichloroethane	2.5	2.0	ug/L	SW846 8260B
Tetrachloroethene	32	2.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	9.0	2.0	ug/L	SW846 8260B
B-80-1 11/12/01 14:55 018				
Percent Moisture	3.9	0.10	%	MCAWW 160.3 MOD
B-80-15 11/12/01 15:05 019				
Percent Moisture	11.9	0.10	%	MCAWW 160.3 MOD
B-80-17 11/12/01 15:10 020				
Benzene	1.6	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	33	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	2.1	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	3.0	0.50	ug/L	SW846 8260B
Ethylbenzene	1.7	1.0	ug/L	SW846 8260B
o-Xylene	1.8	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	14	2.0	ug/L	SW846 8260B
B-83-1 11/12/01 15:45 021				
Percent Moisture	20.2	0.10	%	MCAWW 160.3 MOD
B-83-15 11/12/01 15:55 022				
Percent Moisture	8.8	0.10	%	MCAWW 160.3 MOD
B-83-17 11/12/01 16:05 023				
1,1-Dichloroethane	44	20	ug/L	SW846 8260B
Ethylbenzene	120	20	ug/L	SW846 8260B
Toluene	39	20	ug/L	SW846 8260B
o-Xylene	190	20	ug/L	SW846 8260B
m-Xylene & p-Xylene	310	40	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D1K150281

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
B-109-15 11/12/01 16:00 024				
Percent Moisture	4.3	0.10	%	MCAWW 160.3 MOD

METHODS SUMMARY

D1K150281

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3050B
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A	SW846 7471A
Percent Moisture	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3550B
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3050B
Volatile Organics by GC/MS	SW846 8260B	SW846 5030
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826
Volatile Organics by GC/MS	SW846 8260B	SW846 5035

References:

- MCAWW "Methods for Chemical Analysis of Water and Wastes",
EPA-600/4-79-020, March 1983 and subsequent revisions.
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

D1K150281

<u>ANALYTICAL METHOD</u>	<u>ANALYST</u>	<u>ANALYST ID</u>
MCAWW 160.3 MOD	Nathan Lovstad	000090
SW846 6010B	Lynn-Anne Trudell	006645
SW846 7471A	Thomas Lill	006929
SW846 8260B	Dan Appelhans	001008
SW846 8260B	Mark McDaniel	000998
SW846 8260B	Mike Armstrong	002544
SW846 8270C	Xiayasang Leewaphath	006600

References:

MCAWW	"Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.
SW846	"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

D1K150281

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EN3AJ	001	B-68-4	11/12/01	08:15
EN3CK	002	B-68-16	11/12/01	08:30
EN3CM	003	B-68-19	11/12/01	08:45
EN3CP	004	B-69-3	11/12/01	11:00
EN3CW	005	B-69-15	11/12/01	11:15
EN3C0	006	B-77-5	11/12/01	12:00
EN3C1	007	B-77-16	11/12/01	12:15
EN3C4	008	B-77-19	11/12/01	12:20
EN3C5	009	B-59-3	11/12/01	13:30
EN3C6	010	B-59-15	11/12/01	14:10
EN3C7	011	B-105-16	11/12/01	13:00
EN3C8	012	B-107-3	11/12/01	14:00
EN3DE	013	B-108-16	11/12/01	12:15
EN3DG	014	B-63-0.5	11/12/01	14:10
EN3DQ	015	B-63-11	11/12/01	14:20
EN3DR	016	B-63-19	11/12/01	14:30
EN3DV	017	B-63-20	11/12/01	14:35
EN3D0	018	B-80-1	11/12/01	14:55
EN3D4	019	B-80-15	11/12/01	15:05
EN3D6	020	B-80-17	11/12/01	15:10
EN3D7	021	B-83-1	11/12/01	15:45
EN3EA	022	B-83-15	11/12/01	15:55
EN3EC	023	B-83-17	11/12/01	16:05
EN3EE	024	B-109-15	11/12/01	16:00

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

CAMERON-COLE LLC

Client Sample ID: B-68-4

GC/MS Volatiles

Lot-Sample #....: D1K150281-001 Work Order #....: EN3AJ1AA Matrix.....: SOLID
 Date Sampled....: 11/12/01 08:15 Date Received...: 11/14/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325482 Analysis Time...: 11:58
 Dilution Factor: 1
 % Moisture.....: 20 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	23	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	6.4	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	19	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-68-4

GC/MS Volatiles

Lot-Sample #....: D1K150281-001 Work Order #....: EN3AJ1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	6.0	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	110	2.5	ug/kg
o-Xylene	32	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	115	(80 - 120)
1,2-Dichloroethane-d4	112	(79 - 125)
4-Bromofluorobenzene	103	(71 - 132)
Toluene-d8	94	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-68-19

GC/MS Volatiles

Lot-Sample #....: D1K150281-003 Work Order #....: EN3CM1AA Matrix.....: WATER
Date Sampled....: 11/12/01 08:45 Date Received...: 11/14/01
Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
Prep Batch #....: 1325275 Analysis Time...: 14:08
Dilution Factor: 5

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	5.0	ug/L
Bromobenzene	ND	5.0	ug/L
Bromochloromethane	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
Bromomethane	ND	10	ug/L
n-Butylbenzene	ND	5.0	ug/L
sec-Butylbenzene	ND	5.0	ug/L
tert-Butylbenzene	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Chlorodibromomethane	ND	5.0	ug/L
Chloroethane	ND	10	ug/L
Chloroform	ND	5.0	ug/L
Chloromethane	ND	10	ug/L
2-Chlorotoluene	ND	5.0	ug/L
4-Chlorotoluene	ND	5.0	ug/L
Dibromomethane	ND	5.0	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
Dichlorodifluoromethane	ND	10	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
1,1-Dichloroethene	ND	5.0	ug/L
cis-1,2-Dichloroethene	140	5.0	ug/L
trans-1,2-Dichloroethene	ND	2.5	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
1,3-Dichloropropane	ND	5.0	ug/L
2,2-Dichloropropane	ND	25	ug/L
1,1-Dichloropropene	ND	5.0	ug/L
Ethylbenzene	10	5.0	ug/L
Trichlorofluoromethane	ND	10	ug/L
Hexachlorobutadiene	ND	5.0	ug/L
Isopropylbenzene	ND	5.0	ug/L
p-Isopropyltoluene	ND	5.0	ug/L
Methylene chloride	ND	5.0	ug/L
Naphthalene	ND	5.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: B-68-19

GC/MS Volatiles

Lot-Sample #....: D1K150281-003 Work Order #....: EN3CM1AA , Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	5.0	ug/L
Styrene	ND	5.0	ug/L
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Tetrachloroethene	29	5.0	ug/L
Toluene	8.2	5.0	ug/L
1,2,3-Trichlorobenzene	ND	5.0	ug/L
1,2,4-Trichloro- benzene	ND	5.0	ug/L
1,1,1-Trichloroethane	39	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Trichloroethene	22	5.0	ug/L
1,2,3-Trichloropropane	ND	5.0	ug/L
1,2,4-Trimethylbenzene	ND	5.0	ug/L
1,3,5-Trimethylbenzene	ND	5.0	ug/L
Vinyl chloride	ND	5.0	ug/L
o-Xylene	21	5.0	ug/L
m-Xylene & p-Xylene	54	10	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	10	ug/L
1,2-Dibromoethane (EDB)	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(80 - 120)
1,2-Dichloroethane-d4	109	(72 - 127)
4-Bromofluorobenzene	95	(79 - 119)
Toluene-d8	110	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: B-69-3

GC/MS Volatiles

Lot-Sample #....: D1K150281-004 Work Order #....: EN3CP1AA Matrix.....: SOLID
 Date Sampled....: 11/12/01 11:00 Date Received...: 11/14/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325482 Analysis Time...: 13:16
 Dilution Factor: 1
 % Moisture.....: 22 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-69-3

GC/MS Volatiles

Lot-Sample #....: D1K150281-004 Work Order #....: EN3CP1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(80 - 120)
1,2-Dichloroethane-d4	105	(79 - 125)
4-Bromofluorobenzene	104	(71 - 132)
Toluene-d8	93	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-69-15

GC/MS Volatiles

Lot-Sample #....: D1K150281-005 Work Order #....: EN3CW1AA Matrix.....: SOLID
 Date Sampled....: 11/12/01 11:15 Date Received...: 11/14/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325482 Analysis Time...: 13:41
 Dilution Factor: 1
 % Moisture.....: 15 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-69-15

GC/MS Volatiles

Lot-Sample #....: D1K150281-005 Work Order #....: EN3CW1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	114	(80 - 120)
1,2-Dichloroethane-d4	111	(79 - 125)
4-Bromofluorobenzene	106	(71 - 132)
Toluene-d8	96	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-77-5

GC/MS Volatiles

Lot-Sample #....: D1K150281-006 Work Order #....: EN3C01AA Matrix.....: SOLID
 Date Sampled....: 11/12/01 12:00 Date Received...: 11/14/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325482 Analysis Time...: 14:07
 Dilution Factor: 1
 % Moisture.....: 21 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	6.3	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-77-5

GC/MS Volatiles

Lot-Sample #...: D1K150281-006 Work Order #....: EN3C01AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	115	(80 - 120)
1,2-Dichloroethane-d4	111	(79 - 125)
4-Bromofluorobenzene	106	(71 - 132)
Toluene-d8	95	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-77-16

GC/MS Volatiles

Lot-Sample #....: D1K150281-007 Work Order #....: EN3C11AA Matrix.....: SOLID
 Date Sampled....: 11/12/01 12:15 Date Received...: 11/14/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325482 Analysis Time...: 14:33
 Dilution Factor: 1
 % Moisture.....: 8.4 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-77-16

GC/MS Volatiles

Lot-Sample #....: D1K150281-007 Work Order #....: EN3C11AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(80 - 120)
1,2-Dichloroethane-d4	106	(79 - 125)
4-Bromofluorobenzene	99	(71 - 132)
Toluene-d8	90	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-77-19

GC/MS Volatiles

Lot-Sample #....: D1K150281-008 Work Order #....: EN3C41AA Matrix.....: WATER
 Date Sampled....: 11/12/01 12:20 Date Received...: 11/14/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325275 Analysis Time...: 14:34
 Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	8.9	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: B-77-19

GC/MS Volatiles

Lot-Sample #....: D1K150281-008 Work Order #....: EN3C41AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	1.1	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	2.7	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(80 - 120)
1,2-Dichloroethane-d4	109	(72 - 127)
4-Bromofluorobenzene	97	(79 - 119)
Toluene-d8	115	(79 - 119)

CAMERON-COLE LLC.

Client Sample ID: B-59-3

GC/MS Volatiles

Lot-Sample #....: D1K150281-009 Work Order #....: EN3C51AA Matrix.....: SOLID
 Date Sampled....: 11/12/01 13:30 Date Received...: 11/14/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325482 Analysis Time...: 14:59
 Dilution Factor: 1
 % Moisture.....: 22 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	8.6	5.0	ug/kg
sec-Butylbenzene	18	5.0	ug/kg
tert-Butylbenzene	12	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DECP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	46	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	11	5.0	ug/kg
p-Isopropyltoluene	8.1	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-59-3

GC/MS Volatiles

Lot-Sample #....: D1K150281-009 Work Order #....: EN3C51AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	30	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	6.5	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	70	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	27	2.5	ug/kg
o-Xylene	6.1	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	116	(80 - 120)
1,2-Dichloroethane-d4	117	(79 - 125)
4-Bromofluorobenzene	132	(71 - 132)
Toluene-d8	102	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-59-15

GC/MS Volatiles

Lot-Sample #....: D1K150281-010 Work Order #....: EN3C61AA Matrix.....: SOLID
 Date Sampled....: 11/12/01 14:10 Date Received...: 11/14/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325482 Analysis Time...: 15:24
 Dilution Factor: 1
 % Moisture.....: 9.4 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-59-15

GC/MS Volatiles

Lot-Sample #....: D1K150281-010 Work Order #....: EN3C61AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(80 - 120)
1,2-Dichloroethane-d4	98	(79 - 125)
4-Bromofluorobenzene	96	(71 - 132)
Toluene-d8	90	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-107-3

GC/MS Volatiles

Lot-Sample #....: D1K150281-012 Work Order #....: EN3C81AA Matrix.....: SOLID
 Date Sampled....: 11/12/01 14:00 Date Received...: 11/14/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325482 Analysis Time...: 15:50
 Dilution Factor: 1
 % Moisture.....: 25 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-107-3

GC/MS Volatiles

Lot-Sample #....: D1K150281-012

Work Order #....: EN3C81AA

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	9.4	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(80 - 120)
1,2-Dichloroethane-d4	105	(79 - 125)
4-Bromofluorobenzene	109	(71 - 132)
Toluene-d8	100	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-108-16

GC/MS Volatiles

Lot-Sample #....: D1K150281-013 Work Order #....: EN3DE1AA Matrix.....: SOLID
 Date Sampled....: 11/12/01 12:15 Date Received...: 11/14/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325482 Analysis Time...: 16:16
 Dilution Factor: 1
 % Moisture.....: 4.3 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-108-16

GC/MS Volatiles

Lot-Sample #....: D1K150281-013 Work Order #....: EN3DE1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(80 - 120)
1,2-Dichloroethane-d4	104	(79 - 125)
4-Bromofluorobenzene	97	(71 - 132)
Toluene-d8	93	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-63-0.5

GC/MS Volatiles

Lot-Sample #....: D1K150281-014 Work Order #....: EN3DG1AA Matrix.....: SOLID
 Date Sampled....: 11/12/01 14:10 Date Received...: 11/14/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325482 Analysis Time...: 16:41
 Dilution Factor: 1
 % Moisture.....: 11 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-63-0.5

GC/MS Volatiles

Lot-Sample #....: D1K150281-014 Work Order #....: EN3DG1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	24	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	117	(80 - 120)
1,2-Dichloroethane-d4	112	(79 - 125)
4-Bromofluorobenzene	129	(71 - 132)
Toluene-d8	109	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-63-11

GC/MS Volatiles

Lot-Sample #....: D1K150281-015 Work Order #....: EN3DQ1AA Matrix.....: SOLID
 Date Sampled....: 11/12/01 14:20 Date Received...: 11/14/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1330178 Analysis Time...: 16:29
 Dilution Factor: 1.95
 % Moisture.....: 30 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	490	ug/kg
Bromobenzene	ND	490	ug/kg
Bromochloromethane	ND	490	ug/kg
Bromodichloromethane	ND	490	ug/kg
Bromoform	ND	490	ug/kg
Bromomethane	ND	980	ug/kg
n-Butylbenzene	ND	490	ug/kg
sec-Butylbenzene	ND	490	ug/kg
tert-Butylbenzene	ND	490	ug/kg
Carbon tetrachloride	ND	490	ug/kg
Chlorobenzene	ND	490	ug/kg
Chlorodibromomethane	ND	490	ug/kg
Chloroethane	ND	980	ug/kg
Chloroform	ND	980	ug/kg
Chloromethane	ND	980	ug/kg
2-Chlorotoluene	ND	490	ug/kg
4-Chlorotoluene	ND	490	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	980	ug/kg
1,2-Dibromoethane (EDB)	ND	490	ug/kg
Dibromomethane	ND	490	ug/kg
1,2-Dichlorobenzene	ND	490	ug/kg
1,3-Dichlorobenzene	ND	490	ug/kg
1,4-Dichlorobenzene	ND	490	ug/kg
Dichlorodifluoromethane	ND	980	ug/kg
1,1-Dichloroethane	ND	490	ug/kg
1,2-Dichloroethane	ND	490	ug/kg
cis-1,2-Dichloroethene	ND	240	ug/kg
trans-1,2-Dichloroethene	ND	240	ug/kg
1,1-Dichloroethene	ND	490	ug/kg
1,2-Dichloropropane	ND	490	ug/kg
1,3-Dichloropropane	ND	490	ug/kg
2,2-Dichloropropane	ND	490	ug/kg
1,1-Dichloropropene	ND	490	ug/kg
Ethylbenzene	ND	490	ug/kg
Hexachlorobutadiene	ND	490	ug/kg
Isopropylbenzene	ND	490	ug/kg
p-Isopropyltoluene	ND	490	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-63-11

GC/MS Volatiles

Lot-Sample #....: D1K150281-015

Work Order #....: EN3DQ1AA

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	490	ug/kg
Naphthalene	ND	490	ug/kg
n-Propylbenzene	ND	490	ug/kg
Styrene	ND	490	ug/kg
1,1,1,2-Tetrachloroethane	ND	490	ug/kg
1,1,2,2-Tetrachloroethane	ND	490	ug/kg
Tetrachloroethene	11000	490	ug/kg
Toluene	ND	490	ug/kg
1,2,3-Trichlorobenzene	ND	490	ug/kg
1,2,4-Trichloro- benzene	ND	490	ug/kg
1,1,1-Trichloroethane	1000	490	ug/kg
1,1,2-Trichloroethane	ND	490	ug/kg
Trichloroethene	590	490	ug/kg
Trichlorofluoromethane	ND	980	ug/kg
1,2,3-Trichloropropane	ND	490	ug/kg
1,2,4-Trimethylbenzene	ND	490	ug/kg
1,3,5-Trimethylbenzene	ND	490	ug/kg
Vinyl chloride	ND	490	ug/kg
m-Xylene & p-Xylene	ND	240	ug/kg
o-Xylene	ND	240	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	76	(72 - 121)
1,2-Dichloroethane-d4	70	(53 - 131)
4-Bromofluorobenzene	80	(71 - 127)
Toluene-d8	77	(57 - 130)

CAMERON-COLE LLC

Client Sample ID: B-63-19

GC/MS Volatiles

Lot-Sample #....: D1K150281-016 Work Order #....: EN3DR1AA Matrix.....: SOLID
 Date Sampled....: 11/12/01 14:30 Date Received...: 11/14/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325482 Analysis Time...: 17:32
 Dilution Factor: 1
 % Moisture.....: 10 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-63-19

GC/MS Volatiles

Lot-Sample #....: D1K150281-016 Work Order #....: EN3DR1AA Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	108	(80 - 120)
1,2-Dichloroethane-d4	107	(79 - 125)
4-Bromofluorobenzene	96	(71 - 132)
Toluene-d8	89	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-63-20

GC/MS Volatiles

Lot-Sample #....: D1K150281-017 Work Order #....: EN3DV1AA Matrix.....: WATER
 Date Sampled....: 11/12/01 14:35 Date Received...: 11/14/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325275 Analysis Time...: 15:00
 Dilution Factor: 2

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	2.0	ug/L
Bromobenzene	ND	2.0	ug/L
Bromochloromethane	ND	2.0	ug/L
Bromodichloromethane	ND	2.0	ug/L
Bromoform	ND	2.0	ug/L
Bromomethane	ND	4.0	ug/L
n-Butylbenzene	ND	2.0	ug/L
sec-Butylbenzene	ND	2.0	ug/L
tert-Butylbenzene	ND	2.0	ug/L
Carbon tetrachloride	ND	2.0	ug/L
Chlorobenzene	ND	2.0	ug/L
Chlorodibromomethane	ND	2.0	ug/L
Chloroethane	ND	4.0	ug/L
Chloroform	ND	2.0	ug/L
Chloromethane	ND	4.0	ug/L
2-Chlorotoluene	ND	2.0	ug/L
4-Chlorotoluene	ND	2.0	ug/L
Dibromomethane	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	2.0	ug/L
1,3-Dichlorobenzene	ND	2.0	ug/L
1,4-Dichlorobenzene	ND	2.0	ug/L
Dichlorodifluoromethane	ND	4.0	ug/L
1,1-Dichloroethane	2.5	2.0	ug/L
1,2-Dichloroethane	ND	2.0	ug/L
1,1-Dichloroethene	ND	2.0	ug/L
cis-1,2-Dichloroethene	ND	2.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	2.0	ug/L
1,3-Dichloropropane	ND	2.0	ug/L
2,2-Dichloropropane	ND	10	ug/L
1,1-Dichloropropene	ND	2.0	ug/L
Ethylbenzene	ND	2.0	ug/L
Trichlorofluoromethane	ND	4.0	ug/L
Hexachlorobutadiene	ND	2.0	ug/L
Isopropylbenzene	ND	2.0	ug/L
p-Isopropyltoluene	ND	2.0	ug/L
Methylene chloride	ND	2.0	ug/L
Naphthalene	ND	2.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: B-63-20

GC/MS Volatiles

Lot-Sample #....: D1K150281-017 Work Order #....: EN3DV1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	2.0	ug/L
Styrene	ND	2.0	ug/L
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L
Tetrachloroethene	32	2.0	ug/L
Toluene	ND	2.0	ug/L
1,2,3-Trichlorobenzene	ND	2.0	ug/L
1,2,4-Trichloro- benzene	ND	2.0	ug/L
1,1,1-Trichloroethane	9.0	2.0	ug/L
1,1,2-Trichloroethane	ND	2.0	ug/L
Trichloroethene	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	2.0	ug/L
1,2,4-Trimethylbenzene	ND	2.0	ug/L
1,3,5-Trimethylbenzene	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
o-Xylene	ND	2.0	ug/L
m-Xylene & p-Xylene	ND	4.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	4.0	ug/L
1,2-Dibromoethane (EDB)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(80 - 120)
1,2-Dichloroethane-d4	108	(72 - 127)
4-Bromofluorobenzene	94	(79 - 119)
Toluene-d8	115	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: B-80-1

GC/MS Volatiles

Lot-Sample #....: D1K150281-018 Work Order #....: EN3D01AA Matrix.....: SOLID
 Date Sampled....: 11/12/01 14:55 Date Received...: 11/14/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325482 Analysis Time...: 17:58
 Dilution Factor: 1
 % Moisture.....: 3.9 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-80-1

GC/MS Volatiles

Lot-Sample #....: D1K150281-018 Work Order #....: EN3D01AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	114	(80 - 120)
1,2-Dichloroethane-d4	110	(79 - 125)
4-Bromofluorobenzene	110	(71 - 132)
Toluene-d8	99	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-80-15

GC/MS Volatiles

Lot-Sample #....: D1K150281-019 Work Order #....: EN3D41AA Matrix.....: SOLID
 Date Sampled....: 11/12/01 15:05 Date Received...: 11/14/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325482 Analysis Time...: 18:24
 Dilution Factor: 1
 % Moisture.....: 12 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-80-15

GC/MS Volatiles

Lot-Sample #....: D1K150281-019 Work Order #....: EN3D41AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(80 - 120)
1,2-Dichloroethane-d4	102	(79 - 125)
4-Bromofluorobenzene	99	(71 - 132)
Toluene-d8	93	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-80-17

GC/MS Volatiles

Lot-Sample #....: D1K150281-020 Work Order #....: EN3D61AA Matrix.....: WATER
 Date Sampled....: 11/12/01 15:10 Date Received...: 11/14/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325275 Analysis Time...: 15:26
 Dilution Factor: 1
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	1.6	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	33	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	2.1	1.0	ug/L
trans-1,2-Dichloroethene	3.0	0.50	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	1.7	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L

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CAMERON-COLE LLC

Client Sample ID: B-80-17

GC/MS Volatiles

Lot-Sample #....: D1K150281-020 Work Order #....: EN3D61AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	1.8	1.0	ug/L
m-Xylene & p-Xylene	14	2.0	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(80 - 120)
1,2-Dichloroethane-d4	111	(72 - 127)
4-Bromofluorobenzene	94	(79 - 119)
Toluene-d8	118	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: B-83-1

GC/MS Volatiles

Lot-Sample #....: D1K150281-021 Work Order #....: EN3D71AA Matrix.....: SOLID
 Date Sampled....: 11/12/01 15:45 Date Received...: 11/14/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325482 Analysis Time...: 18:50
 Dilution Factor: 1
 % Moisture.....: 20 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-83-1

GC/MS Volatiles

Lot-Sample #....: D1K150281-021 Work Order #....: EN3D71AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY	
		LIMITS	
Dibromofluoromethane	116	(80 - 120)	
1,2-Dichloroethane-d4	116	(79 - 125)	
4-Bromofluorobenzene	109	(71 - 132)	
Toluene-d8	101	(77 - 117)	

CAMERON-COLE LLC

Client Sample ID: B-83-15

GC/MS Volatiles

Lot-Sample #....: D1K150281-022 Work Order #....: EN3EA1AA Matrix.....: SOLID
 Date Sampled....: 11/12/01 15:55 Date Received...: 11/14/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325482 Analysis Time...: 19:16
 Dilution Factor: 1
 % Moisture.....: 8.8 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-83-15

GC/MS Volatiles

Lot-Sample #....: D1K150281-022 Work Order #....: EN3EA1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(80 - 120)
1,2-Dichloroethane-d4	102	(79 - 125)
4-Bromofluorobenzene	98	(71 - 132)
Toluene-d8	90	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-83-17

GC/MS Volatiles

Lot-Sample #....: D1K150281-023 Work Order #....: EN3EC1AA Matrix.....: WATER
 Date Sampled....: 11/12/01 16:05 Date Received...: 11/14/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325275 Analysis Time...: 15:52
 Dilution Factor: 20
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	20	ug/L
Bromobenzene	ND	20	ug/L
Bromochloromethane	ND	20	ug/L
Bromodichloromethane	ND	20	ug/L
Bromoform	ND	20	ug/L
Bromomethane	ND	40	ug/L
n-Butylbenzene	ND	20	ug/L
sec-Butylbenzene	ND	20	ug/L
tert-Butylbenzene	ND	20	ug/L
Carbon tetrachloride	ND	20	ug/L
Chlorobenzene	ND	20	ug/L
Chlorodibromomethane	ND	20	ug/L
Chloroethane	ND	40	ug/L
Chloroform	ND	20	ug/L
Chloromethane	ND	40	ug/L
2-Chlorotoluene	ND	20	ug/L
4-Chlorotoluene	ND	20	ug/L
Dibromomethane	ND	20	ug/L
1,2-Dichlorobenzene	ND	20	ug/L
1,3-Dichlorobenzene	ND	20	ug/L
1,4-Dichlorobenzene	ND	20	ug/L
Dichlorodifluoromethane	ND	40	ug/L
1,1-Dichloroethane	44	20	ug/L
1,2-Dichloroethane	ND	20	ug/L
1,1-Dichloroethene	ND	20	ug/L
cis-1,2-Dichloroethene	ND	20	ug/L
trans-1,2-Dichloroethene	ND	10	ug/L
1,2-Dichloropropane	ND	20	ug/L
1,3-Dichloropropane	ND	20	ug/L
2,2-Dichloropropane	ND	100	ug/L
1,1-Dichloropropene	ND	20	ug/L
Ethylbenzene	120	20	ug/L
Trichlorofluoromethane	ND	40	ug/L
Hexachlorobutadiene	ND	20	ug/L
Isopropylbenzene	ND	20	ug/L
p-Isopropyltoluene	ND	20	ug/L
Methylene chloride	ND	20	ug/L
Naphthalene	ND	20	ug/L

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CAMERON-COLE LLC

Client Sample ID: B-83-17

GC/MS Volatiles

Lot-Sample #....: D1K150281-023

Work Order #....: EN3EC1AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	20	ug/L
Styrene	ND	20	ug/L
1,1,1,2-Tetrachloroethane	ND	20	ug/L
1,1,2,2-Tetrachloroethane	ND	20	ug/L
Tetrachloroethene	ND	20	ug/L
Toluene	39	20	ug/L
1,2,3-Trichlorobenzene	ND	20	ug/L
1,2,4-Trichloro- benzene	ND	20	ug/L
1,1,1-Trichloroethane	ND	20	ug/L
1,1,2-Trichloroethane	ND	20	ug/L
Trichloroethene	ND	20	ug/L
1,2,3-Trichloropropane	ND	20	ug/L
1,2,4-Trimethylbenzene	ND	20	ug/L
1,3,5-Trimethylbenzene	ND	20	ug/L
Vinyl chloride	ND	20	ug/L
o-Xylene	190	20	ug/L
m-Xylene & p-Xylene	310	40	ug/L
1,2-Dibromo-3- chloropropane (DBCP)	ND	40	ug/L
1,2-Dibromoethane (EDB)	ND	20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(80 - 120)
1,2-Dichloroethane-d4	111	(72 - 127)
4-Bromofluorobenzene	92	(79 - 119)
Toluene-d8	116	(79 - 119)

CAMERON-COLE LLC

Client Sample ID: B-109-15

GC/MS Volatiles

Lot-Sample #....: D1K150281-024 Work Order #....: EN3EE1AA Matrix.....: SOLID
 Date Sampled....: 11/12/01 16:00 Date Received...: 11/14/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325482 Analysis Time...: 19:42
 Dilution Factor: 1
 % Moisture.....: 4.3 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	5.0	ug/kg
Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	10	ug/kg
n-Butylbenzene	ND	5.0	ug/kg
sec-Butylbenzene	ND	5.0	ug/kg
tert-Butylbenzene	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chlorodibromomethane	ND	5.0	ug/kg
Chloroethane	ND	10	ug/kg
Chloroform	ND	10	ug/kg
Chloromethane	ND	10	ug/kg
2-Chlorotoluene	ND	5.0	ug/kg
4-Chlorotoluene	ND	5.0	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg
Dibromomethane	ND	5.0	ug/kg
1,2-Dichlorobenzene	ND	5.0	ug/kg
1,3-Dichlorobenzene	ND	5.0	ug/kg
1,4-Dichlorobenzene	ND	5.0	ug/kg
Dichlorodifluoromethane	ND	10	ug/kg
1,1-Dichloroethane	ND	5.0	ug/kg
1,2-Dichloroethane	ND	5.0	ug/kg
cis-1,2-Dichloroethene	ND	2.5	ug/kg
trans-1,2-Dichloroethene	ND	2.5	ug/kg
1,1-Dichloroethene	ND	5.0	ug/kg
1,2-Dichloropropane	ND	5.0	ug/kg
1,3-Dichloropropane	ND	5.0	ug/kg
2,2-Dichloropropane	ND	5.0	ug/kg
1,1-Dichloropropene	ND	5.0	ug/kg
Ethylbenzene	ND	5.0	ug/kg
Hexachlorobutadiene	ND	5.0	ug/kg
Isopropylbenzene	ND	5.0	ug/kg
p-Isopropyltoluene	ND	5.0	ug/kg

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CAMERON-COLE LLC

Client Sample ID: B-109-15

GC/MS Volatiles

Lot-Sample #....: D1K150281-024 Work Order #....: EN3EE1AA Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Methylene chloride	ND	5.0	ug/kg
Naphthalene	ND	5.0	ug/kg
n-Propylbenzene	ND	5.0	ug/kg
Styrene	ND	5.0	ug/kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
1,2,3-Trichlorobenzene	ND	5.0	ug/kg
1,2,4-Trichloro- benzene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	10	ug/kg
1,2,3-Trichloropropane	ND	5.0	ug/kg
1,2,4-Trimethylbenzene	ND	5.0	ug/kg
1,3,5-Trimethylbenzene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
m-Xylene & p-Xylene	ND	2.5	ug/kg
o-Xylene	ND	2.5	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	111	(80 - 120)
1,2-Dichloroethane-d4	112	(79 - 125)
4-Bromofluorobenzene	104	(71 - 132)
Toluene-d8	95	(77 - 117)

CAMERON-COLE LLC

Client Sample ID: B-68-4

GC/MS Semivolatiles

Lot-Sample #....: D1K150281-001 Work Order #....: EN3AJ1AM Matrix.....: SOLID
 Date Sampled....: 11/12/01 08:15 Date Received...: 11/14/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/25/01
 Prep Batch #....: 1325202 Analysis Time...: 21:31
 Dilution Factor: 1
 % Moisture.....: 20 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	330	ug/kg	46
Acenaphthylene	ND	330	ug/kg	34
Anthracene	ND	330	ug/kg	78
Benzo(a)anthracene	ND	330	ug/kg	39
Benzo(b)fluoranthene	ND	330	ug/kg	100
Benzo(k)fluoranthene	ND	330	ug/kg	93
Benzo(ghi)perylene	ND	330	ug/kg	70
Benzo(a)pyrene	ND	330	ug/kg	94
Chrysene	ND	330	ug/kg	53
Dibenz(a,h)anthracene	ND	330	ug/kg	47
Fluoranthene	ND	330	ug/kg	84
Fluorene	ND	330	ug/kg	76
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	48
Naphthalene	ND	330	ug/kg	70
Phenanthrene	ND	330	ug/kg	37
Pyrene	ND	330	ug/kg	40
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	69
Dimethyl phthalate	ND	330	ug/kg	85

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	75	(34 - 97)
Phenol-d5	70	(39 - 90)
Nitrobenzene-d5	75	(33 - 97)
2-Fluorobiphenyl	74	(39 - 91)
2,4,6-Tribromophenol	58	(29 - 95)
Terphenyl-d14	81	(30 - 102)

CAMERON-COLE LLC

Client Sample ID: B-68-16

GC/MS Semivolatiles

Lot-Sample #....: D1K150281-002 Work Order #....: EN3CK1AL Matrix.....: SOLID
 Date Sampled....: 11/12/01 08:30 Date Received...: 11/14/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/25/01
 Prep Batch #....: 1325202 Analysis Time...: 21:54
 Dilution Factor: 1
 % Moisture.....: 7.4 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	330	ug/kg	46
Acenaphthylene	ND	330	ug/kg	34
Anthracene	ND	330	ug/kg	78
Benzo (a) anthracene	ND	330	ug/kg	39
Benzo (b) fluoranthene	ND	330	ug/kg	100
Benzo (k) fluoranthene	ND	330	ug/kg	93
Benzo (ghi) perylene	ND	330	ug/kg	70
Benzo (a) pyrene	ND	330	ug/kg	94
Chrysene	ND	330	ug/kg	53
Dibenz (a, h) anthracene	ND	330	ug/kg	47
Fluoranthene	ND	330	ug/kg	84
Fluorene	ND	330	ug/kg	76
Indeno (1, 2, 3-cd) pyrene	ND	330	ug/kg	48
Naphthalene	ND	330	ug/kg	70
Phenanthrene	ND	330	ug/kg	37
Pyrene	ND	330	ug/kg	40
bis (2-Ethylhexyl) phthalate	630	330	ug/kg	69
Dimethyl phthalate	ND	330	ug/kg	85

SURROGATE	PERCENT		RECOVERY	
	RECOVERY		LIMITS	
2-Fluorophenol	68		(34 - 97)	
Phenol-d5	62		(39 - 90)	
Nitrobenzene-d5	68		(33 - 97)	
2-Fluorobiphenyl	65		(39 - 91)	
2,4,6-Tribromophenol	53		(29 - 95)	
Terphenyl-d14	73		(30 - 102)	

CAMERON-COLE LLC

Client Sample ID: B-105-16

GC/MS Semivolatiles

Lot-Sample #....: D1K150281-011 Work Order #....: EN3C71AN Matrix.....: SOLID
 Date Sampled....: 11/12/01 13:00 Date Received...: 11/14/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/25/01
 Prep Batch #....: 1325202 Analysis Time...: 22:17
 Dilution Factor: 1
 % Moisture.....: 7.4 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	330	ug/kg	46
Acenaphthylene	ND	330	ug/kg	34
Anthracene	ND	330	ug/kg	78
Benzo(a)anthracene	ND	330	ug/kg	39
Benzo(b)fluoranthene	ND	330	ug/kg	100
Benzo(k)fluoranthene	ND	330	ug/kg	93
Benzo(ghi)perylene	ND	330	ug/kg	70
Benzo(a)pyrene	ND	330	ug/kg	94
Chrysene	ND	330	ug/kg	53
Dibenz(a,h)anthracene	ND	330	ug/kg	47
Fluoranthene	ND	330	ug/kg	84
Fluorene	ND	330	ug/kg	76
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	48
Naphthalene	ND	330	ug/kg	70
Phenanthrene	ND	330	ug/kg	37
Pyrene	ND	330	ug/kg	40
bis(2-Ethylhexyl) phthalate	650	330	ug/kg	69
Dimethyl phthalate	ND	330	ug/kg	85
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS		
2-Fluorophenol	73	(34 - 97)		
Phenol-d5	67	(39 - 90)		
Nitrobenzene-d5	73	(33 - 97)		
2-Fluorobiphenyl	72	(39 - 91)		
2,4,6-Tribromophenol	65	(29 - 95)		
Terphenyl-d14	84	(30 - 102)		

CAMERON-COLE LLC

Client Sample ID: B-68-4

TOTAL Metals

Lot-Sample #....: D1K150281-001

Matrix.....: SOLID

Date Sampled....: 11/12/01 08:15 Date Received...: 11/14/01

% Moisture.....: 20

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1324368						
Mercury	ND	0.033	mg/kg	SW846 7471A	11/26/01	EN3AJ1AK
		Dilution Factor: 1		Analysis Time...: 20:23		
Prep Batch #....: 1324566						
Silver	ND	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3AJ1AE
		Dilution Factor: 1		Analysis Time...: 16:38		
Arsenic	5.5	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3AJ1AF
		Dilution Factor: 1		Analysis Time...: 16:38		
Barium	165	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3AJ1AC
		Dilution Factor: 1		Analysis Time...: 16:38		
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/20-11/27/01	EN3AJ1AD
		Dilution Factor: 1		Analysis Time...: 16:38		
Chromium	21.3	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3AJ1AD
		Dilution Factor: 1		Analysis Time...: 16:38		
Lead	10.4	0.80	mg/kg	SW846 6010B	11/20-11/27/01	EN3AJ1AH
		Dilution Factor: 1		Analysis Time...: 16:38		
Selenium	ND	1.3	mg/kg	SW846 6010B	11/20-11/27/01	EN3AJ1AJ
		Dilution Factor: 1		Analysis Time...: 16:38		

CAMERON-COLE LLC

Client Sample ID: B-68-16

TOTAL Metals

Lot-Sample #...: D1K150281-002

Date Sampled...: 11/12/01 08:30 Date Received...: 11/14/01

% Moisture.....: 7.4

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1324368						
Mercury	ND	0.033	mg/kg	SW846 7471A	11/26/01	EN3CK1AJ
		Dilution Factor: 1		Analysis Time...: 20:25		
Prep Batch #...: 1324566						
Silver	ND	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3CK1AD
		Dilution Factor: 1		Analysis Time...: 16:57		
Arsenic	ND	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3CK1AE
		Dilution Factor: 1		Analysis Time...: 16:57		
Barium	30.1	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3CK1AA
		Dilution Factor: 1		Analysis Time...: 16:57		
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/20-11/27/01	EN3CK1AF
		Dilution Factor: 1		Analysis Time...: 16:57		
Chromium	2.4	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3CK1AC
		Dilution Factor: 1		Analysis Time...: 16:57		
Lead	2.2	0.80	mg/kg	SW846 6010B	11/20-11/27/01	EN3CK1AG
		Dilution Factor: 1		Analysis Time...: 16:57		
Selenium	ND	1.3	mg/kg	SW846 6010B	11/20-11/27/01	EN3CK1AH
		Dilution Factor: 1		Analysis Time...: 16:57		

CAMERON-COLE LLC

Client Sample ID: B-69-3

TOTAL Metals

Lot-Sample #....: DLK150281-004

Matrix.....: SOLID

Date Sampled....: 11/12/01 11:00 Date Received...: 11/14/01

% Moisture.....: 22

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1324368						
Mercury	ND	0.033	mg/kg	SW846 7471A	11/26/01	EN3CP1AK
		Dilution Factor: 1		Analysis Time...: 20:27		
Prep Batch #....: 1324566						
Silver	ND	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3CP1AE
		Dilution Factor: 1		Analysis Time...: 17:02		
Arsenic	5.5	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3CP1AF
		Dilution Factor: 1		Analysis Time...: 17:02		
Barium	190	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3CP1AC
		Dilution Factor: 1		Analysis Time...: 17:02		
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/20-11/27/01	EN3CP1AF
		Dilution Factor: 1		Analysis Time...: 17:02		
Chromium	23.0	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3CP1AD
		Dilution Factor: 1		Analysis Time...: 17:02		
Lead	11.3	0.80	mg/kg	SW846 6010B	11/20-11/27/01	EN3CP1AH
		Dilution Factor: 1		Analysis Time...: 17:02		
Selenium	ND	1.3	mg/kg	SW846 6010B	11/20-11/27/01	EN3CP1AJ
		Dilution Factor: 1		Analysis Time...: 17:02		

CAMERON-COLE LLC

Client Sample ID: B-69-15

TOTAL Metals

Lot-Sample #....: D1K150281-005

Date Sampled....: 11/12/01 11:15 Date Received...: 11/14/01

% Moisture.....: 15

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1324368						
Mercury	ND	0.033	mg/kg	SW846 7471A	11/26/01	EN3CW1AK
		Dilution Factor: 1		Analysis Time...: 20:29		
Prep Batch #....: 1324566						
Silver	ND	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3CW1AE
		Dilution Factor: 1		Analysis Time...: 17:07		
Arsenic	2.2	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3CW1AF
		Dilution Factor: 1		Analysis Time...: 17:07		
Barium	34.5	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3CW1AC
		Dilution Factor: 1		Analysis Time...: 17:07		
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/20-11/27/01	EN3CW1AG
		Dilution Factor: 1		Analysis Time...: 17:07		
Chromium	7.5	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3CW1AD
		Dilution Factor: 1		Analysis Time...: 17:07		
Lead	4.6	0.80	mg/kg	SW846 6010B	11/20-11/27/01	EN3CW1AH
		Dilution Factor: 1		Analysis Time...: 17:07		
Selenium	ND	1.3	mg/kg	SW846 6010B	11/20-11/27/01	EN3CW1AJ
		Dilution Factor: 1		Analysis Time...: 17:07		

CAMERON-COLE LLC

Client Sample ID: B-105-16

TOTAL Metals

Lot-Sample #....: D1K150281-011

Matrix.....: SOLID

Date Sampled....: 11/12/01 13:00 Date Received...: 11/14/01

% Moisture.....: 7.4

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1324368						
Mercury	ND	0.033	mg/kg	SW846 7471A	11/26/01	EN3C71AL
		Dilution Factor: 1		Analysis Time...: 20:31		
Prep Batch #....: 1324566						
Silver	ND	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3C71AF
		Dilution Factor: 1		Analysis Time...: 17:12		
Arsenic	1.1	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3C71AG
		Dilution Factor: 1		Analysis Time...: 17:12		
Barium	18.6	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3C71AD
		Dilution Factor: 1		Analysis Time...: 17:12		
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/20-11/27/01	EN3C71AE
		Dilution Factor: 1		Analysis Time...: 17:12		
Chromium	3.1	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3C71AE
		Dilution Factor: 1		Analysis Time...: 17:12		
Lead	2.4	0.80	mg/kg	SW846 6010B	11/20-11/27/01	EN3C71AJ
		Dilution Factor: 1		Analysis Time...: 17:12		
Selenium	ND	1.3	mg/kg	SW846 6010B	11/20-11/27/01	EN3C71AK
		Dilution Factor: 1		Analysis Time...: 17:12		

CAMERON-COLE LLC

Client Sample ID: B-63-0.5

TOTAL Metals

Lot-Sample #....: D1K150281-014

Matrix.....: SOLID

Date Sampled....: 11/12/01 14:10 Date Received...: 11/14/01

% Moisture.....: 11

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1324368						
Mercury	ND	0.033	mg/kg	SW846 7471A	11/26/01	EN3DG1AK
		Dilution Factor: 1		Analysis Time...: 20:32		
Prep Batch #....: 1324566						
Silver	ND	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3DG1AE
		Dilution Factor: 1		Analysis Time...: 17:26		
Arsenic	11.0	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3DG1AF
		Dilution Factor: 1		Analysis Time...: 17:26		
Barium	226	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3DG1AC
		Dilution Factor: 1		Analysis Time...: 17:26		
Cadmium	2.4	0.50	mg/kg	SW846 6010B	11/20-11/27/01	EN3DG1AG
		Dilution Factor: 1		Analysis Time...: 17:26		
Chromium	51.0	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3DG1AD
		Dilution Factor: 1		Analysis Time...: 17:26		
Lead	1020	0.80	mg/kg	SW846 6010B	11/20-11/27/01	EN3DG1AH
		Dilution Factor: 1		Analysis Time...: 17:26		
Selenium	ND	1.3	mg/kg	SW846 6010B	11/20-11/27/01	EN3DG1AJ
		Dilution Factor: 1		Analysis Time...: 17:26		

CAMERON-COLE LLC

Client Sample ID: B-63-11

TOTAL Metals

Lot-Sample #....: D1K150281-015

Matrix.....: SOLID

Date Sampled....: 11/12/01 14:20 Date Received...: 11/14/01

% Moisture.....: 30

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1324368						
Mercury	ND	0.033	mg/kg	SW846 7471A	11/26/01	EN3DQ1AK
		Dilution Factor: 1		Analysis Time...: 20:34		
Prep Batch #....: 1324566						
Silver	ND	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3DQ1AE
		Dilution Factor: 1		Analysis Time...: 17:31		
Arsenic	4.1	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3DQ1AF
		Dilution Factor: 1		Analysis Time...: 17:31		
Barium	178	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3DQ1AC
		Dilution Factor: 1		Analysis Time...: 17:31		
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/20-11/27/01	EN3DQ1AD
		Dilution Factor: 1		Analysis Time...: 17:31		
Chromium	19.8	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3DQ1AD
		Dilution Factor: 1		Analysis Time...: 17:31		
Lead	69.3	0.80	mg/kg	SW846 6010B	11/20-11/27/01	EN3DQ1AH
		Dilution Factor: 1		Analysis Time...: 17:31		
Selenium	ND	1.3	mg/kg	SW846 6010B	11/20-11/27/01	EN3DQ1AJ
		Dilution Factor: 1		Analysis Time...: 17:31		

CAMERON-COLE LLC

Client Sample ID: B-63-19

TOTAL Metals

Lot-Sample #....: D1K150281-016

Matrix.....: SOLID

Date Sampled....: 11/12/01 14:30 Date Received...: 11/14/01

% Moisture.....: 10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1324368						
Mercury	ND	0.033	mg/kg	SW846 7471A	11/26/01	EN3DR1AK
		Dilution Factor: 1		Analysis Time...: 20:36		
Prep Batch #....: 1324566						
Silver	ND	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3DR1AE
		Dilution Factor: 1		Analysis Time...: 17:36		
Arsenic	1.5	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3DR1AF
		Dilution Factor: 1		Analysis Time...: 17:36		
Barium	22.5	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3DR1AC
		Dilution Factor: 1		Analysis Time...: 17:36		
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/20-11/27/01	EN3DR1AG
		Dilution Factor: 1		Analysis Time...: 17:36		
Chromium	1.6	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EN3DR1AD
		Dilution Factor: 1		Analysis Time...: 17:36		
Lead	2.3	0.80	mg/kg	SW846 6010B	11/20-11/27/01	EN3DR1AH
		Dilution Factor: 1		Analysis Time...: 17:36		
Selenium	ND	1.3	mg/kg	SW846 6010B	11/20-11/27/01	EN3DR1AJ
		Dilution Factor: 1		Analysis Time...: 17:36		

QC DATA ASSOCIATION SUMMARY

DIK150281

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	SW846 7471A		1324368	1330139
	SOLID	SW846 8260B		1325482	1325238
	SOLID	SW846 8270C		1325202	1325071
	SOLID	SW846 6010B		1324566	1324289
	SOLID	MCAWW 160.3 MOD		1332147	1332064
002	SOLID	SW846 7471A		1324368	1330139
	SOLID	SW846 8270C		1325202	1325071
	SOLID	SW846 6010B		1324566	1324289
	SOLID	MCAWW 160.3 MOD		1332147	1332064
003	WATER	SW846 8260B		1325275	1325115
004	SOLID	SW846 7471A		1324368	1330139
	SOLID	SW846 8260B		1325482	1325238
	SOLID	SW846 6010B		1324566	1324289
	SOLID	MCAWW 160.3 MOD		1332147	1332064
005	SOLID	SW846 7471A		1324368	1330139
	SOLID	SW846 8260B		1325482	1325238
	SOLID	SW846 6010B		1324566	1324289
	SOLID	MCAWW 160.3 MOD		1332147	1332064
006	SOLID	SW846 8260B		1325482	1325238
	SOLID	MCAWW 160.3 MOD		1332147	1332064
007	SOLID	SW846 8260B		1325482	1325238
	SOLID	MCAWW 160.3 MOD		1332147	1332064
008	WATER	SW846 8260B		1325275	1325115
009	SOLID	SW846 8260B		1325482	1325238
	SOLID	MCAWW 160.3 MOD		1332148	1332065
010	SOLID	SW846 8260B		1325482	1325238
	SOLID	MCAWW 160.3 MOD		1332148	1332065
011	SOLID	SW846 7471A		1324368	1330139
	SOLID	SW846 8270C		1325202	1325071
	SOLID	SW846 6010B		1324566	1324289
	SOLID	MCAWW 160.3 MOD		1332148	1332065

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

D1K150281

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
012	SOLID	SW846 8260B		1325482	1325238
	SOLID	MCAWW 160.3 MOD		1332148	1332065
013	SOLID	SW846 8260B		1325482	1325238
	SOLID	MCAWW 160.3 MOD		1332148	1332065
014	SOLID	SW846 7471A		1324368	1330139
	SOLID	SW846 8260B		1325482	1325238
	SOLID	SW846 6010B		1324566	1324289
	SOLID	MCAWW 160.3 MOD		1332148	1332065
015	SOLID	SW846 7471A		1324368	1330139
	SOLID	SW846 8260B		1330178	1330060
	SOLID	SW846 6010B		1324566	1324289
	SOLID	MCAWW 160.3 MOD		1332148	1332065
016	SOLID	SW846 7471A		1324368	1330139
	SOLID	SW846 8260B		1325482	1325238
	SOLID	SW846 6010B		1324566	1324289
	SOLID	MCAWW 160.3 MOD		1332148	1332065
017	WATER	SW846 8260B		1325275	1325115
018	SOLID	SW846 8260B		1325482	1325238
	SOLID	MCAWW 160.3 MOD		1332148	1332065
019	SOLID	SW846 8260B		1325482	1325238
	SOLID	MCAWW 160.3 MOD		1332148	1332065
020	WATER	SW846 8260B		1325275	1325115
021	SOLID	SW846 8260B		1325482	1325238
	SOLID	MCAWW 160.3 MOD		1332148	1332065
022	SOLID	SW846 8260B		1325482	1325238
	SOLID	MCAWW 160.3 MOD		1332148	1332065
023	WATER	SW846 8260B		1325275	1325115
024	SOLID	SW846 8260B		1325482	1325238
	SOLID	MCAWW 160.3 MOD		1332148	1332065

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K150281 Work Order #....: EPFAE1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: D1K210000-482 EPFAE1AD-LCSD
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325482 Analysis Time...: 10:30
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	94	(78 - 118)			SW846 8260B
	96	(78 - 118)	2.3	(0-25)	SW846 8260B
Benzene	103	(79 - 121)			SW846 8260B
	105	(79 - 121)	2.3	(0-25)	SW846 8260B
Chlorobenzene	82	(76 - 116)			SW846 8260B
	84	(76 - 116)	2.8	(0-25)	SW846 8260B
Toluene	83	(76 - 116)			SW846 8260B
	86	(76 - 116)	3.5	(0-25)	SW846 8260B
Trichloroethene	101	(83 - 123)			SW846 8260B
	104	(83 - 123)	3.1	(0-25)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(80 - 120)
	107	(80 - 120)
1,2-Dichloroethane-d4	102	(79 - 125)
	104	(79 - 125)
4-Bromofluorobenzene	93	(71 - 132)
	98	(71 - 132)
Toluene-d8	87	(77 - 117)
	91	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K150281 Work Order #....: EPFAE1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: D1K210000-482 EPFAE1AD-LCSD
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325482 Analysis Time...: 10:30
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	50.0	47.0	ug/kg	94		SW846 8260B
	50.0	48.1	ug/kg	96	2.3	SW846 8260B
Benzene	50.0	51.5	ug/kg	103		SW846 8260B
	50.0	52.6	ug/kg	105	2.3	SW846 8260B
Chlorobenzene	50.0	40.9	ug/kg	82		SW846 8260B
	50.0	42.1	ug/kg	84	2.8	SW846 8260B
Toluene	50.0	41.4	ug/kg	83		SW846 8260B
	50.0	42.9	ug/kg	86	3.5	SW846 8260B
Trichloroethene	50.0	50.4	ug/kg	101		SW846 8260B
	50.0	52.0	ug/kg	104	3.1	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(80 - 120)
	107	(80 - 120)
1,2-Dichloroethane-d4	102	(79 - 125)
	104	(79 - 125)
4-Bromofluorobenzene	93	(71 - 132)
	98	(71 - 132)
Toluene-d8	87	(77 - 117)
	91	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K150281 Work Order #....: EPD451AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: D1K210000-275 EPD451AD-LCSD
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325275 Analysis Time...: 10:04
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	92	(79 - 119)			SW846 8260B
	94	(79 - 119)	1.6	(0-20)	SW846 8260B
Benzene	94	(79 - 119)			SW846 8260B
	96	(79 - 119)	2.4	(0-20)	SW846 8260B
Chlorobenzene	88	(76 - 116)			SW846 8260B
	94	(76 - 116)	6.5	(0-20)	SW846 8260B
Toluene	100	(75 - 122)			SW846 8260B
	102	(75 - 122)	2.3	(0-20)	SW846 8260B
Trichloroethene	87	(81 - 121)			SW846 8260B
	92	(81 - 121)	4.8	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(80 - 120)
	110	(80 - 120)
1,2-Dichloroethane-d4	114	(72 - 127)
	114	(72 - 127)
4-Bromofluorobenzene	92	(79 - 119)
	96	(79 - 119)
Toluene-d8	109	(79 - 119)
	109	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K150281 Work Order #....: EPD451AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: D1K210000-275 EPD451AD-LCSD
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325275 Analysis Time...: 10:04
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	9.21	ug/L	92		SW846 8260B
	10.0	9.37	ug/L	94	1.6	SW846 8260B
Benzene	10.0	9.43	ug/L	94		SW846 8260B
	10.0	9.65	ug/L	96	2.4	SW846 8260B
Chlorobenzene	10.0	8.81	ug/L	88		SW846 8260B
	10.0	9.41	ug/L	94	6.5	SW846 8260B
Toluene	10.0	10.0	ug/L	100		SW846 8260B
	10.0	10.2	ug/L	102	2.3	SW846 8260B
Trichloroethene	10.0	8.74	ug/L	87		SW846 8260B
	10.0	9.17	ug/L	92	4.8	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(80 - 120)
	110	(80 - 120)
1,2-Dichloroethane-d4	114	(72 - 127)
	114	(72 - 127)
4-Bromofluorobenzene	92	(79 - 119)
	96	(79 - 119)
Toluene-d8	109	(79 - 119)
	109	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K150281 Work Order #....: EPGA41AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: D1K260000-178 EPGA41AD-LCSD
 Prep Date.....: 11/19/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1330178 Analysis Time...: 11:32
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	82	(54 - 129)			SW846 8260B
	88	(54 - 129)	6.0	(0-30)	SW846 8260B
Benzene	96	(73 - 119)			SW846 8260B
	94	(73 - 119)	2.1	(0-30)	SW846 8260B
Chlorobenzene	96	(70 - 120)			SW846 8260B
	97	(70 - 120)	1.1	(0-30)	SW846 8260B
Trichloroethene	97	(76 - 118)			SW846 8260B
	98	(76 - 118)	1.5	(0-30)	SW846 8260B
Toluene	93	(71 - 119)			SW846 8260B
	93	(71 - 119)	0.090	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(72 - 121)
	102	(72 - 121)
1,2-Dichloroethane-d4	105	(53 - 131)
	98	(53 - 131)
4-Bromofluorobenzene	107	(71 - 127)
	107	(71 - 127)
Toluene-d8	97	(57 - 130)
	98	(57 - 130)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K150281 Work Order #....: EPGA41AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: D1K260000-178 EPGA41AD-LCSD
 Prep Date.....: 11/19/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1330178 Analysis Time...: 11:32
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	2000	1650	ug/kg	82		SW846 8260B
	2000	1750	ug/kg	88	6.0	SW846 8260B
Benzene	2000	1920	ug/kg	96		SW846 8260B
	2000	1880	ug/kg	94	2.1	SW846 8260B
Chlorobenzene	2000	1920	ug/kg	96		SW846 8260B
	2000	1950	ug/kg	97	1.1	SW846 8260B
Trichloroethene	2000	1930	ug/kg	97		SW846 8260B
	2000	1960	ug/kg	98	1.5	SW846 8260B
Toluene	2000	1860	ug/kg	93		SW846 8260B
	2000	1860	ug/kg	93	0.090	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(72 - 121)
	102	(72 - 121)
1,2-Dichloroethane-d4	105	(53 - 131)
	98	(53 - 131)
4-Bromofluorobenzene	107	(71 - 127)
	107	(71 - 127)
Toluene-d8	97	(57 - 130)
	98	(57 - 130)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K150281
 MB Lot-Sample #: D1K210000-482
 Analysis Date...: 11/20/01
 Dilution Factor: 1

Work Order #....: EPFAE1AA
 Prep Date.....: 11/20/01
 Prep Batch #....: 1325482

Matrix.....: SOLID
 Analysis Time...: 11:23

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Chloroform	ND	10	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Chlorodibromomethane	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
Dibromomethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	2.5	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	2.5	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,3-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
Naphthalene	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	5.0	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K150281

Work Order #....: EPFAE1AA

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trichloro- benzene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
Vinyl chloride	ND	5.0	ug/kg	SW846 8260B
o-Xylene	ND	2.5	ug/kg	SW846 8260B
m-Xylene & p-Xylene	ND	2.5	ug/kg	SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	SW846 8260B

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Dibromofluoromethane	113	(80 - 120)
1,2-Dichloroethane-d4	110	(79 - 125)
4-Bromofluorobenzene	102	(71 - 132)
Toluene-d8	97	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K150281
MB Lot-Sample #: D1K210000-275

Work Order #....: EPD451AA

Matrix.....: WATER

Analysis Date...: 11/20/01
Dilution Factor: 1

Prep Date.....: 11/20/01

Analysis Time...: 10:57

Prep Batch #....: 1325275

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
Benzene	ND	1.0	ug/L		SW846 8260B
Bromobenzene	ND	1.0	ug/L		SW846 8260B
Bromochloromethane	ND	1.0	ug/L		SW846 8260B
Bromodichloromethane	ND	1.0	ug/L		SW846 8260B
Bromoform	ND	1.0	ug/L		SW846 8260B
Bromomethane	ND	2.0	ug/L		SW846 8260B
n-Butylbenzene	ND	1.0	ug/L		SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L		SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L		SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L		SW846 8260B
Chlorobenzene	ND	1.0	ug/L		SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L		SW846 8260B
Chloroethane	ND	2.0	ug/L		SW846 8260B
Chloroform	ND	1.0	ug/L		SW846 8260B
Chloromethane	ND	2.0	ug/L		SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L		SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L		SW846 8260B
Dibromomethane	ND	1.0	ug/L		SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L		SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L		SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L		SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L		SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L		SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L		SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L		SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L		SW846 8260B
trans-1,2-Dichloroethene	ND	0.50	ug/L		SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L		SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L		SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/L		SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L		SW846 8260B
Ethylbenzene	ND	1.0	ug/L		SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L		SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L		SW846 8260B
Isopropylbenzene	ND	1.0	ug/L		SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L		SW846 8260B
Methylene chloride	ND	1.0	ug/L		SW846 8260B
Naphthalene	ND	1.0	ug/L		SW846 8260B
n-Propylbenzene	ND	1.0	ug/L		SW846 8260B
Styrene	ND	1.0	ug/L		SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L		SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K150281

Work Order #....: EPD451AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L		SW846 8260B
Tetrachloroethene	ND	1.0	ug/L		SW846 8260B
Toluene	ND	1.0	ug/L		SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L		SW846 8260B
1,2,4-Trichloro- benzene	ND	1.0	ug/L		SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L		SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L		SW846 8260B
Trichloroethene	ND	1.0	ug/L		SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L		SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L		SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L		SW846 8260B
Vinyl chloride	ND	1.0	ug/L		SW846 8260B
o-Xylene	ND	1.0	ug/L		SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L		SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	2.0	ug/L		SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L		SW846 8260B

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Dibromofluoromethane	109	(80 - 120)
1,2-Dichloroethane-d4	112	(72 - 127)
4-Bromofluorobenzene	98	(79 - 119)
Toluene-d8	113	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: D1K150281
 MB Lot-Sample #: D1K260000-178
 Analysis Date...: 11/20/01
 Dilution Factor: 1

Work Order #....: EPGA41AA
 Prep Date.....: 11/19/01
 Prep Batch #....: 1330178

Matrix.....: SOLID
 Analysis Time...: 12:22

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
Benzene	ND	250	ug/kg	SW846	8260B
Bromobenzene	ND	250	ug/kg	SW846	8260B
Bromochloromethane	ND	250	ug/kg	SW846	8260B
Bromodichloromethane	ND	250	ug/kg	SW846	8260B
Bromoform	ND	250	ug/kg	SW846	8260B
Bromomethane	ND	500	ug/kg	SW846	8260B
n-Butylbenzene	ND	250	ug/kg	SW846	8260B
sec-Butylbenzene	ND	250	ug/kg	SW846	8260B
tert-Butylbenzene	ND	250	ug/kg	SW846	8260B
Carbon tetrachloride	ND	250	ug/kg	SW846	8260B
Chlorobenzene	ND	250	ug/kg	SW846	8260B
Chlorodibromomethane	ND	250	ug/kg	SW846	8260B
Chloroethane	ND	500	ug/kg	SW846	8260B
Chloroform	ND	500	ug/kg	SW846	8260B
Chloromethane	ND	500	ug/kg	SW846	8260B
2-Chlorotoluene	ND	250	ug/kg	SW846	8260B
4-Chlorotoluene	ND	250	ug/kg	SW846	8260B
Dibromomethane	ND	250	ug/kg	SW846	8260B
1,2-Dichlorobenzene	ND	250	ug/kg	SW846	8260B
1,3-Dichlorobenzene	ND	250	ug/kg	SW846	8260B
1,4-Dichlorobenzene	ND	250	ug/kg	SW846	8260B
Dichlorodifluoromethane	ND	500	ug/kg	SW846	8260B
1,1-Dichloroethane	ND	250	ug/kg	SW846	8260B
1,2-Dichloroethane	ND	250	ug/kg	SW846	8260B
1,1-Dichloroethene	ND	250	ug/kg	SW846	8260B
cis-1,2-Dichloroethene	ND	130	ug/kg	SW846	8260B
trans-1,2-Dichloroethene	ND	130	ug/kg	SW846	8260B
1,2-Dichloropropane	ND	250	ug/kg	SW846	8260B
1,3-Dichloropropane	ND	250	ug/kg	SW846	8260B
2,2-Dichloropropane	ND	250	ug/kg	SW846	8260B
1,1-Dichloropropene	ND	250	ug/kg	SW846	8260B
Ethylbenzene	ND	250	ug/kg	SW846	8260B
Trichlorofluoromethane	ND	500	ug/kg	SW846	8260B
Hexachlorobutadiene	ND	250	ug/kg	SW846	8260B
Isopropylbenzene	ND	250	ug/kg	SW846	8260B
p-Isopropyltoluene	ND	250	ug/kg	SW846	8260B
Methylene chloride	ND	250	ug/kg	SW846	8260B
Naphthalene	ND	250	ug/kg	SW846	8260B
n-Propylbenzene	ND	250	ug/kg	SW846	8260B
Styrene	ND	250	ug/kg	SW846	8260B
1,1,1,2-Tetrachloroethane	ND	250	ug/kg	SW846	8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D1K150281

Work Order #...: EPGA41AA

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
1,1,2,2-Tetrachloroethane	ND	250	ug/kg	SW846	8260B
Tetrachloroethene	ND	250	ug/kg	SW846	8260B
Toluene	ND	250	ug/kg	SW846	8260B
1,2,3-Trichlorobenzene	ND	250	ug/kg	SW846	8260B
1,2,4-Trichloro- benzene	ND	250	ug/kg	SW846	8260B
1,1,1-Trichloroethane	ND	250	ug/kg	SW846	8260B
1,1,2-Trichloroethane	ND	250	ug/kg	SW846	8260B
Trichloroethene	ND	250	ug/kg	SW846	8260B
1,2,3-Trichloropropane	ND	250	ug/kg	SW846	8260B
1,2,4-Trimethylbenzene	ND	250	ug/kg	SW846	8260B
1,3,5-Trimethylbenzene	ND	250	ug/kg	SW846	8260B
Vinyl chloride	ND	250	ug/kg	SW846	8260B
o-Xylene	ND	130	ug/kg	SW846	8260B
m-Xylene & p-Xylene	ND	130	ug/kg	SW846	8260B
1,2-Dibromo-3- chloropropane (DBCP)	ND	500	ug/kg	SW846	8260B
1,2-Dibromoethane (EDB)	ND	250	ug/kg	SW846	8260B
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS			
Dibromofluoromethane	99	(72 - 121)			
1,2-Dichloroethane-d4	99	(53 - 131)			
4-Bromofluorobenzene	102	(71 - 127)			
Toluene-d8	94	(57 - 130)			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K150281 Work Order #....: EN3AJ1A8-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K150281-001 EN3AJ1A9-MSD
 Date Sampled....: 11/12/01 08:15 Date Received...: 11/14/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325482 Analysis Time...: 12:24
 Dilution Factor: 1 % Moisture.....: 20

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	99	(78 - 118)			SW846 8260B
	90	(78 - 118)	9.1	(0-25)	SW846 8260B
Benzene	105	(79 - 121)			SW846 8260B
	95	(79 - 121)	9.7	(0-25)	SW846 8260B
Chlorobenzene	83	(76 - 116)			SW846 8260B
	76	(76 - 116)	9.4	(0-25)	SW846 8260B
Toluene	88	(76 - 116)			SW846 8260B
	80	(76 - 116)	9.5	(0-25)	SW846 8260B
Trichloroethene	105	(83 - 123)			SW846 8260B
	91	(83 - 123)	14	(0-25)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	114	(80 - 120)
	102	(80 - 120)
1,2-Dichloroethane-d4	110	(79 - 125)
	102	(79 - 125)
4-Bromofluorobenzene	101	(71 - 132)
	90	(71 - 132)
Toluene-d8	94	(77 - 117)
	88	(77 - 117)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K150281 Work Order #....: EN3AJ1A8-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K150281-001 EN3AJ1A9-MSD
 Date Sampled....: 11/12/01 08:15 Date Received...: 11/14/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325482 Analysis Time...: 12:24
 Dilution Factor: 1 % Moisture.....: 20

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	50.0	49.3	ug/kg	99		SW846 8260B
	ND	50.0	45.0	ug/kg	90	9.1	SW846 8260B
Benzene	ND	50.0	52.6	ug/kg	105		SW846 8260B
	ND	50.0	47.7	ug/kg	95	9.7	SW846 8260B
Chlorobenzene	ND	50.0	41.7	ug/kg	83		SW846 8260B
	ND	50.0	38.0	ug/kg	76	9.4	SW846 8260B
Toluene	ND	50.0	48.2	ug/kg	88		SW846 8260B
	ND	50.0	43.9	ug/kg	80	9.5	SW846 8260B
Trichloroethene	ND	50.0	52.3	ug/kg	105		SW846 8260B
	ND	50.0	45.3	ug/kg	91	14	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	114	(80 - 120)
	102	(80 - 120)
1,2-Dichloroethane-d4	110	(79 - 125)
	102	(79 - 125)
4-Bromofluorobenzene	101	(71 - 132)
	90	(71 - 132)
Toluene-d8	94	(77 - 117)
	88	(77 - 117)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K150281 Work Order #....: ENV3V1A1-MS Matrix.....: WATER
 MS Lot-Sample #: D1K130267-010 ENV3V1A2-MSD
 Date Sampled....: 11/11/01 12:35 Date Received...: 11/13/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325275 Analysis Time...: 12:21
 Dilution Factor: 4

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	96	(79 - 119)			SW846 8260B
	95	(79 - 119)	0.77	(0-20)	SW846 8260B
Benzene	97	(79 - 119)			SW846 8260B
	96	(79 - 119)	1.4	(0-20)	SW846 8260B
Chlorobenzene	94	(76 - 116)			SW846 8260B
	94	(76 - 116)	0.44	(0-20)	SW846 8260B
Toluene	107	(75 - 122)			SW846 8260B
	106	(75 - 122)	0.68	(0-20)	SW846 8260B
Trichloroethene	88	(81 - 121)			SW846 8260B
	77 a	(81 - 121)	3.0	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(80 - 120)
	104	(80 - 120)
1,2-Dichloroethane-d4	105	(72 - 127)
	107	(72 - 127)
4-Bromofluorobenzene	93	(79 - 119)
	94	(79 - 119)
Toluene-d8	113	(79 - 119)
	112	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K150281 Work Order #....: ENV3V1A1-MS Matrix.....: WATER
 MS Lot-Sample #: D1K130267-010 ENV3V1A2-MSD
 Date Sampled....: 11/11/01 12:35 Date Received...: 11/13/01
 Prep Date.....: 11/20/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1325275 Analysis Time...: 12:21
 Dilution Factor: 4

PARAMETER	SAMPLE SPIKE MEASRD				PERCENT		
	AMOUNT	AMT	AMOUNT	UNITS	RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	40.0	38.4	ug/L	96		SW846 8260B
	ND	40.0	38.1	ug/L	95	0.77	SW846 8260B
Benzene	ND	40.0	38.9	ug/L	97		SW846 8260B
	ND	40.0	38.3	ug/L	96	1.4	SW846 8260B
Chlorobenzene	ND	40.0	37.7	ug/L	94		SW846 8260B
	ND	40.0	37.5	ug/L	94	0.44	SW846 8260B
Toluene	ND	40.0	42.7	ug/L	107		SW846 8260B
	ND	40.0	42.4	ug/L	106	0.68	SW846 8260B
Trichloroethene	120	40.0	158	ug/L	88		SW846 8260B
	120	40.0	153	ug/L	77 a	3.0	SW846 8260B

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Dibromofluoromethane	105	(80 - 120)
	104	(80 - 120)
1,2-Dichloroethane-d4	105	(72 - 127)
	107	(72 - 127)
4-Bromofluorobenzene	93	(79 - 119)
	94	(79 - 119)
Toluene-d8	113	(79 - 119)
	112	(79 - 119)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: D1K150281 Work Order #....: ENQ7C1AD-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K120155-003 ENQ7C1AE-MSD
 Date Sampled....: 11/07/01 13:50 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1330178 Analysis Time...: 14:26
 Dilution Factor: 1 % Moisture.....: 14

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	76	(54 - 129)			SW846 8260B
	77	(54 - 129)	2.6	(0-30)	SW846 8260B
Benzene	86	(73 - 119)			SW846 8260B
	90	(73 - 119)	5.6	(0-30)	SW846 8260B
Chlorobenzene	90	(70 - 120)			SW846 8260B
	93	(70 - 120)	4.2	(0-30)	SW846 8260B
Trichloroethene	90	(76 - 118)			SW846 8260B
	90	(76 - 118)	1.8	(0-30)	SW846 8260B
Toluene	91	(71 - 119)			SW846 8260B
	90	(71 - 119)	0.42	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(72 - 121)
	92	(72 - 121)
1,2-Dichloroethane-d4	86	(53 - 131)
	88	(53 - 131)
4-Bromofluorobenzene	98	(71 - 127)
	100	(71 - 127)
Toluene-d8	97	(57 - 130)
	99	(57 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: D1K150281 Work Order #....: ENQ7C1AD-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K120155-003 ENQ7C1AE-MSD
 Date Sampled....: 11/07/01 13:50 Date Received...: 11/10/01
 Prep Date.....: 11/19/01 Analysis Date...: 11/20/01
 Prep Batch #....: 1330178 Analysis Time...: 14:26
 Dilution Factor: 1 % Moisture.....: 14

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	1930	1460	ug/kg	76		SW846 8260B
	ND	1960	1500	ug/kg	77	2.6	SW846 8260B
Benzene	ND	1930	1670	ug/kg	86		SW846 8260B
	ND	1960	1760	ug/kg	90	5.6	SW846 8260B
Chlorobenzene	ND	1930	1740	ug/kg	90		SW846 8260B
	ND	1960	1810	ug/kg	93	4.2	SW846 8260B
Trichloroethene	ND	1930	1740	ug/kg	90		SW846 8260B
	ND	1960	1770	ug/kg	90	1.8	SW846 8260B
Toluene	ND	1930	1760	ug/kg	91		SW846 8260B
	ND	1960	1760	ug/kg	90	0.42	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(72 - 121)
	92	(72 - 121)
1,2-Dichloroethane-d4	86	(53 - 131)
	88	(53 - 131)
4-Bromofluorobenzene	98	(71 - 127)
	100	(71 - 127)
Toluene-d8	97	(57 - 130)
	99	(57 - 130)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #....: D1K150281 Work Order #....: EPDK41AC Matrix.....: SOLID
 LCS Lot-Sample#: D1K210000-202
 Prep Date.....: 11/21/01 Analysis Date...: 11/25/01
 Prep Batch #....: 1325202 Analysis Time...: 15:45
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	71	(49 - 93)	SW846 8270C
Pyrene	74	(48 - 97)	SW846 8270C
4-Chloro-3-methylphenol	73	(52 - 93)	SW846 8270C
2-Chlorophenol	74	(51 - 91)	SW846 8270C
1,4-Dichlorobenzene	67	(46 - 86)	SW846 8270C
2,4-Dinitrotoluene	73	(53 - 105)	SW846 8270C
4-Nitrophenol	68	(29 - 115)	SW846 8270C
N-Nitrosodi-n-propyl- amine	71	(46 - 86)	SW846 8270C
Pentachlorophenol	68	(27 - 97)	SW846 8270C
Phenol	74	(50 - 90)	SW846 8270C
1,2,4-Trichloro- benzene	70	(49 - 90)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	74	(34 - 97)
Phenol-d5	74	(39 - 90)
Nitrobenzene-d5	73	(33 - 97)
2-Fluorobiphenyl	72	(39 - 91)
2,4,6-Tribromophenol	71	(29 - 95)
Terphenyl-d14	79	(30 - 102)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #....: D1K150281 Work Order #....: EPDK41AC Matrix.....: SOLID
 LCS Lot-Sample#: D1K210000-202
 Prep Date.....: 11/21/01 Analysis Date...: 11/25/01
 Prep Batch #....: 1325202 Analysis Time...: 15:45
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Acenaphthene	3330	2370	ug/kg	71	SW846 8270C
Pyrene	3330	2460	ug/kg	74	SW846 8270C
4-Chloro-3-methylphenol	5000	3650	ug/kg	73	SW846 8270C
2-Chlorophenol	5000	3720	ug/kg	74	SW846 8270C
1,4-Dichlorobenzene	3330	2240	ug/kg	67	SW846 8270C
2,4-Dinitrotoluene	3330	2430	ug/kg	73	SW846 8270C
4-Nitrophenol	5000	3390	ug/kg	68	SW846 8270C
N-Nitrosodi-n-propyl-amine	3330	2370	ug/kg	71	SW846 8270C
Pentachlorophenol	5000	3400	ug/kg	68	SW846 8270C
Phenol	5000	3680	ug/kg	74	SW846 8270C
1,2,4-Trichloro-benzene	3330	2330	ug/kg	70	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	74	(34 - 97)
Phenol-d5	74	(39 - 90)
Nitrobenzene-d5	73	(33 - 97)
2-Fluorobiphenyl	72	(39 - 91)
2,4,6-Tribromophenol	71	(29 - 95)
Terphenyl-d14	79	(30 - 102)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #....: D1K150281
MB Lot-Sample #: D1K210000-202

Work Order #....: EPDK41AA

Matrix.....: SOLID

Analysis Date...: 11/25/01
Dilution Factor: 1

Prep Date.....: 11/21/01

Analysis Time...: 15:22

Prep Batch #....: 1325202

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Acenaphthene	ND	330	ug/kg	SW846 8270C
Acenaphthylene	ND	330	ug/kg	SW846 8270C
Anthracene	ND	330	ug/kg	SW846 8270C
Benzo(a)anthracene	ND	330	ug/kg	SW846 8270C
Benzo(b)fluoranthene	ND	330	ug/kg	SW846 8270C
Benzo(k)fluoranthene	ND	330	ug/kg	SW846 8270C
Benzo(ghi)perylene	ND	330	ug/kg	SW846 8270C
Benzo(a)pyrene	ND	330	ug/kg	SW846 8270C
Chrysene	ND	330	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	ND	330	ug/kg	SW846 8270C
Fluoranthene	ND	330	ug/kg	SW846 8270C
Fluorene	ND	330	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	SW846 8270C
Naphthalene	ND	330	ug/kg	SW846 8270C
Phenanthrene	ND	330	ug/kg	SW846 8270C
Pyrene	ND	330	ug/kg	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	SW846 8270C
Dimethyl phthalate	ND	330	ug/kg	SW846 8270C

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
2-Fluorophenol	71	(34 - 97)
Phenol-d5	69	(39 - 90)
Nitrobenzene-d5	70	(33 - 97)
2-Fluorobiphenyl	68	(39 - 91)
2,4,6-Tribromophenol	63	(29 - 95)
Terphenyl-d14	76	(30 - 102)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #....: D1K150281 Work Order #....: ENQ141AP-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K120137-004 ENQ141AQ-MSD
 Date Sampled....: 11/09/01 09:20 Date Received...: 11/10/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/25/01
 Prep Batch #....: 1325202 Analysis Time...: 18:04
 Dilution Factor: 1 % Moisture.....: 18

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	66	(49 - 93)			SW846 8270C
	66	(49 - 93)	0.42	(0-40)	SW846 8270C
Pyrene	64	(48 - 97)			SW846 8270C
	68	(48 - 97)	7.0	(0-40)	SW846 8270C
4-Chloro-3-methylphenol	67	(52 - 93)			SW846 8270C
	68	(52 - 93)	0.72	(0-40)	SW846 8270C
2-Chlorophenol	68	(51 - 91)			SW846 8270C
	69	(51 - 91)	1.6	(0-36)	SW846 8270C
1,4-Dichlorobenzene	62	(46 - 86)			SW846 8270C
	61	(46 - 86)	2.5	(0-40)	SW846 8270C
2,4-Dinitrotoluene	70	(53 - 105)			SW846 8270C
	66	(53 - 105)	5.6	(0-40)	SW846 8270C
4-Nitrophenol	58	(29 - 115)			SW846 8270C
	60	(29 - 115)	3.2	(0-40)	SW846 8270C
N-Nitrosodi-n-propyl- amine	67	(46 - 86)			SW846 8270C
	67	(46 - 86)	0.60	(0-40)	SW846 8270C
Pentachlorophenol	60	(27 - 97)			SW846 8270C
	64	(27 - 97)	6.1	(0-40)	SW846 8270C
Phenol	67	(50 - 90)			SW846 8270C
	67	(50 - 90)	0.48	(0-37)	SW846 8270C
1,2,4-Trichloro- benzene	63	(49 - 90)			SW846 8270C
	63	(49 - 90)	1.2	(0-40)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	68	(34 - 97)
	66	(34 - 97)
Phenol-d5	67	(39 - 90)
	65	(39 - 90)
Nitrobenzene-d5	66	(33 - 97)
	67	(33 - 97)
2-Fluorobiphenyl	65	(39 - 91)
	65	(39 - 91)
2,4,6-Tribromophenol	68	(29 - 95)
	67	(29 - 95)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #....: D1K150281 Work Order #....: ENQ141AP-MS Matrix.....: SOLID
MS Lot-Sample #: D1K120137-004 ENQ141AQ-MSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Terphenyl-d14	66	(30 - 102)
	67	(30 - 102)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #....: D1K150281 Work Order #....: ENQ141AP-MS Matrix.....: SOLID
 MS Lot-Sample #: D1K120137-004 ENQ141AQ-MSD
 Date Sampled....: 11/09/01 09:20 Date Received...: 11/10/01
 Prep Date.....: 11/21/01 Analysis Date...: 11/25/01
 Prep Batch #....: 1325202 Analysis Time...: 18:04
 Dilution Factor: 1 % Moisture.....: 18

PARAMETER	SAMPLE SPIKE MEASRD				PERCENT		
	AMOUNT	AMT	AMOUNT	UNITS	RECOVERY	RPD	METHOD
Acenaphthene	ND	3330	2210	ug/kg	66		SW846 8270C
	ND	3330	2200	ug/kg	66	0.42	SW846 8270C
Pyrene	ND	3330	2120	ug/kg	64		SW846 8270C
	ND	3330	2280	ug/kg	68	7.0	SW846 8270C
4-Chloro-3-methylphenol	ND	5000	3360	ug/kg	67		SW846 8270C
	ND	5000	3380	ug/kg	68	0.72	SW846 8270C
2-Chlorophenol	ND	5000	3380	ug/kg	68		SW846 8270C
	ND	5000	3440	ug/kg	69	1.6	SW846 8270C
1,4-Dichlorobenzene	ND	3330	2070	ug/kg	62		SW846 8270C
	ND	3330	2020	ug/kg	61	2.5	SW846 8270C
2,4-Dinitrotoluene	ND	3330	2320	ug/kg	70		SW846 8270C
	ND	3330	2190	ug/kg	66	5.6	SW846 8270C
4-Nitrophenol	ND	5000	2920	ug/kg	58		SW846 8270C
	ND	5000	3010	ug/kg	60	3.2	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	3330	2250	ug/kg	67		SW846 8270C
	ND	3330	2240	ug/kg	67	0.60	SW846 8270C
Pentachlorophenol	ND	5000	3010	ug/kg	60		SW846 8270C
	ND	5000	3200	ug/kg	64	6.1	SW846 8270C
Phenol	ND	5000	3330	ug/kg	67		SW846 8270C
	ND	5000	3350	ug/kg	67	0.48	SW846 8270C
1,2,4-Trichloro-benzene	ND	3330	2110	ug/kg	63		SW846 8270C
	ND	3330	2080	ug/kg	63	1.2	SW846 8270C

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
2-Fluorophenol	68	(34 - 97)
Phenol-d5	66	(34 - 97)
	67	(39 - 90)
Nitrobenzene-d5	65	(39 - 90)
	66	(33 - 97)
2-Fluorobiphenyl	67	(33 - 97)
	65	(39 - 91)
2,4,6-Tribromophenol	65	(39 - 91)
	68	(29 - 95)
	67	(29 - 95)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #....: D1K150281 Work Order #....: ENQ141AP-MS Matrix.....: SOLID
MS Lot-Sample #: D1K120137-004 ENQ141AQ-MSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Terphenyl-d14	66	(30 - 102)
	67	(30 - 102)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: D1K150281

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D1K200000-566 Prep Batch #....: 1324566					
Barium	90	(86 - 114)	SW846 6010B	11/20-11/27/01	EPC3Q1AJ
		Dilution Factor: 1			
		Analysis Time...: 16:33			
Chromium	94	(88 - 110)	SW846 6010B	11/20-11/27/01	EPC3Q1AK
		Dilution Factor: 1			
		Analysis Time...: 16:33			
Silver	90	(88 - 108)	SW846 6010B	11/20-11/27/01	EPC3Q1AL
		Dilution Factor: 1			
		Analysis Time...: 16:33			
Arsenic	90	(87 - 107)	SW846 6010B	11/20-11/27/01	EPC3Q1AM
		Dilution Factor: 1			
		Analysis Time...: 16:33			
Cadmium	93	(89 - 109)	SW846 6010B	11/20-11/27/01	EPC3Q1AN
		Dilution Factor: 1			
		Analysis Time...: 16:33			
Lead	95	(88 - 108)	SW846 6010B	11/20-11/27/01	EPC3Q1AP
		Dilution Factor: 1			
		Analysis Time...: 16:33			
Selenium	90	(86 - 107)	SW846 6010B	11/20-11/27/01	EPC3Q1AQ
		Dilution Factor: 1			
		Analysis Time...: 16:33			

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D1K150281

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D1K200000-566 Prep Batch #...: 1324566							
Barium	200	180	mg/kg	90	SW846 6010B	11/20-11/27/01	EPC3Q1AJ
			Dilution Factor: 1				
			Analysis Time...: 16:33				
Chromium	20.0	18.8	mg/kg	94	SW846 6010B	11/20-11/27/01	EPC3Q1AK
			Dilution Factor: 1				
			Analysis Time...: 16:33				
Silver	5.00	4.52	mg/kg	90	SW846 6010B	11/20-11/27/01	EPC3Q1AL
			Dilution Factor: 1				
			Analysis Time...: 16:33				
Arsenic	200	180	mg/kg	90	SW846 6010B	11/20-11/27/01	EPC3Q1AM
			Dilution Factor: 1				
			Analysis Time...: 16:33				
Cadmium	5.00	4.67	mg/kg	93	SW846 6010B	11/20-11/27/01	EPC3Q1AN
			Dilution Factor: 1				
			Analysis Time...: 16:33				
Lead	50.0	47.3	mg/kg	95	SW846 6010B	11/20-11/27/01	EPC3Q1AP
			Dilution Factor: 1				
			Analysis Time...: 16:33				
Selenium	200	180	mg/kg	90	SW846 6010B	11/20-11/27/01	EPC3Q1AQ
			Dilution Factor: 1				
			Analysis Time...: 16:33				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: D1K150281

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP- BATCH #
Mercury	103	(82 - 113)		SW846 7471A	11/26/01	1324368
	102	(82 - 113)	0.45 (0-20)	SW846 7471A	11/26/01	1324368

Dilution Factor: 1

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #....: D1K150281

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Mercury	0.417	0.428	mg/kg	103		SW846 7471A	11/26/01	1324368
	0.417	0.426	mg/kg	102	0.45	SW846 7471A	11/26/01	1324368

Dilution Factor: 1

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: D1K150281

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D1K200000-368 Prep Batch #....: 1324368						
Mercury	ND	0.033	mg/kg	SW846 7471A	11/26/01	EPAW91AA
		Dilution Factor: 1				
		Analysis Time...: 20:09				
MB Lot-Sample #: D1K200000-566 Prep Batch #....: 1324566						
Arsenic	ND	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EPC3Q1AE
		Dilution Factor: 1				
		Analysis Time...: 16:28				
Barium	ND	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EPC3Q1AA
		Dilution Factor: 1				
		Analysis Time...: 16:28				
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/20-11/27/01	EPC3Q1AF
		Dilution Factor: 1				
		Analysis Time...: 16:28				
Chromium	ND	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EPC3Q1AC
		Dilution Factor: 1				
		Analysis Time...: 16:28				
Lead	ND	0.80	mg/kg	SW846 6010B	11/20-11/27/01	EPC3Q1AG
		Dilution Factor: 1				
		Analysis Time...: 16:28				
Selenium	ND	1.3	mg/kg	SW846 6010B	11/20-11/27/01	EPC3Q1AH
		Dilution Factor: 1				
		Analysis Time...: 16:28				
Silver	ND	1.0	mg/kg	SW846 6010B	11/20-11/27/01	EPC3Q1AD
		Dilution Factor: 1				
		Analysis Time...: 16:28				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: D1K150281

Matrix.....: SOLID

Date Sampled...: 11/12/01 08:15 Date Received...: 11/14/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D1K150281-001 Prep Batch #....: 1324566						
Arsenic	95	(87 - 107)		SW846 6010B	11/20-11/27/01	EN3AJ1A0
	93	(87 - 107) 1.9	(0-20)	SW846 6010B	11/20-11/27/01	EN3AJ1A1
		Dilution Factor: 1				
		Analysis Time...: 16:47				
Barium	92	(86 - 114)		SW846 6010B	11/20-11/27/01	EN3AJ1AR
	90	(86 - 114) 1.3	(0-20)	SW846 6010B	11/20-11/27/01	EN3AJ1AT
		Dilution Factor: 1				
		Analysis Time...: 16:47				
Cadmium	93	(89 - 109)		SW846 6010B	11/20-11/27/01	EN3AJ1A2
	92	(89 - 109) 0.71	(0-20)	SW846 6010B	11/20-11/27/01	EN3AJ1A3
		Dilution Factor: 1				
		Analysis Time...: 16:47				
Chromium	102	(88 - 110)		SW846 6010B	11/20-11/27/01	EN3AJ1AU
	97	(88 - 110) 2.2	(0-20)	SW846 6010B	11/20-11/27/01	EN3AJ1AV
		Dilution Factor: 1				
		Analysis Time...: 16:47				
Lead	97	(88 - 108)		SW846 6010B	11/20-11/27/01	EN3AJ1A4
	96	(88 - 108) 0.82	(0-20)	SW846 6010B	11/20-11/27/01	EN3AJ1A5
		Dilution Factor: 1				
		Analysis Time...: 16:47				
Selenium	95	(86 - 107)		SW846 6010B	11/20-11/27/01	EN3AJ1A6
	94	(86 - 107) 1.4	(0-20)	SW846 6010B	11/20-11/27/01	EN3AJ1A7
		Dilution Factor: 1				
		Analysis Time...: 16:47				
Silver	94	(88 - 108)		SW846 6010B	11/20-11/27/01	EN3AJ1AW
	93	(88 - 108) 1.1	(0-20)	SW846 6010B	11/20-11/27/01	EN3AJ1AX
		Dilution Factor: 1				
		Analysis Time...: 16:47				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: D1K150281

Matrix.....: SOLID

Date Sampled....: 11/12/01 08:15 Date Received...: 11/14/01

PARAMETER	AMOUNT	AMT	MEASURED AMOUNT	UNITS	PERCENT RECVR	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D1K150281-001 Prep Batch #....: 1324566									
Arsenic									
	5.5	200	195	mg/kg	95		SW846 6010B	11/20-11/27/01	EN3AJ1A0
	5.5	200	191	mg/kg	93	1.9	SW846 6010B	11/20-11/27/01	EN3AJ1A1
Dilution Factor: 1									
Analysis Time...: 16:47									
Barium									
	165	200	349	mg/kg	92		SW846 6010B	11/20-11/27/01	EN3AJ1AR
	165	200	345	mg/kg	90	1.3	SW846 6010B	11/20-11/27/01	EN3AJ1AT
Dilution Factor: 1									
Analysis Time...: 16:47									
Cadmium									
	ND	5.00	4.65	mg/kg	93		SW846 6010B	11/20-11/27/01	EN3AJ1A2
	ND	5.00	4.62	mg/kg	92	0.71	SW846 6010B	11/20-11/27/01	EN3AJ1A3
Dilution Factor: 1									
Analysis Time...: 16:47									
Chromium									
	21.3	20.0	41.7	mg/kg	102		SW846 6010B	11/20-11/27/01	EN3AJ1AU
	21.3	20.0	40.8	mg/kg	97	2.2	SW846 6010B	11/20-11/27/01	EN3AJ1AV
Dilution Factor: 1									
Analysis Time...: 16:47									
Lead									
	10.4	50.0	58.7	mg/kg	97		SW846 6010B	11/20-11/27/01	EN3AJ1A4
	10.4	50.0	58.2	mg/kg	96	0.82	SW846 6010B	11/20-11/27/01	EN3AJ1A5
Dilution Factor: 1									
Analysis Time...: 16:47									
Selenium									
	ND	200	191	mg/kg	95		SW846 6010B	11/20-11/27/01	EN3AJ1A6
	ND	200	188	mg/kg	94	1.4	SW846 6010B	11/20-11/27/01	EN3AJ1A7
Dilution Factor: 1									
Analysis Time...: 16:47									
Silver									
	ND	5.00	4.70	mg/kg	94		SW846 6010B	11/20-11/27/01	EN3AJ1AW
	ND	5.00	4.65	mg/kg	93	1.1	SW846 6010B	11/20-11/27/01	EN3AJ1AX
Dilution Factor: 1									
Analysis Time...: 16:47									

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: D1K150281

Matrix.....: SOLID

Date Sampled...: 11/06/01 15:00 Date Received...: 11/08/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
-----------	---------------------	--------------------	---------------	--------	-------------------------------	-----------------

MS Lot-Sample #: D1K090131-002 Prep Batch #....: 1324368

Mercury	96	(82 - 113)		SW846 7471A	11/26/01	ENMC91FD
	96	(82 - 113) 0.17 (0-20)		SW846 7471A	11/26/01	ENMC91FE

Dilution Factor: 1

Analysis Time...: 20:16

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: D1K150281

Matrix.....: SOLID

Date Sampled....: 11/06/01 15:00 Date Received...: 11/08/01

PARAMETER	AMOUNT	SAMPLE AMT	SPIKE AMOUNT	MEASURED	UNITS	PERCENT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #:	D1K090131-002		Prep Batch #....:		1324368					
Mercury	ND	0.417	0.411		mg/kg	96		SW846 7471A	11/26/01	ENMC91FD
	ND	0.417	0.411		mg/kg	96	0.17	SW846 7471A	11/26/01	ENMC91FE

Dilution Factor: 1

Analysis Time...: 20:16

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

HOLD TIME REPORT

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GCMS VOA

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K150281001	B-68-4	11/12/01	08:15 8260B		8		14		11/20/01 11:58	VOA
D1K150281003	B-68-19	11/12/01	08:45 8260B		8		14		11/20/01 14:08	VOA
D1K150281004	B-69-3	11/12/01	11:00 8260B		8		14		11/20/01 13:16	VOA
D1K150281005	B-69-15	11/12/01	11:15 8260B		8		14		11/20/01 13:41	VOA
D1K150281006	B-77-5	11/12/01	12:00 8260B		8		14		11/20/01 14:07	VOA
D1K150281007	B-77-16	11/12/01	12:15 8260B		8		14		11/20/01 14:33	VOA
D1K150281008	B-77-19	11/12/01	12:20 8260B		8		14		11/20/01 14:34	VOA
D1K150281009	B-59-3	11/12/01	13:30 8260B		8		14		11/20/01 14:59	VOA
D1K150281010	B-59-15	11/12/01	14:10 8260B		8		14		11/20/01 15:24	VOA
D1K150281012	B-107-3	11/12/01	14:00 8260B		8		14		11/20/01 15:11	VOA
D1K150281013	B-108-16	11/12/01	12:15 8260B		8		14		11/20/01 16:10	VOA
D1K150281014	B-63-0.5	11/12/01	14:10 8260B		8		14		11/20/01 16:41	VOA
D1K150281015	B-63-11	11/12/01	14:20 8260B 8260B		8 8		14 14		11/20/01 16:38 11/20/01 16:38	VOA VOA
D1K150281016	B-63-19	11/12/01	14:30 8260B		8		14		11/20/01 17:11	VOA
D1K150281017	B-63-20	11/12/01	14:35 8260B		8		14		11/20/01 18:00	VOA
D1K150281018	B-80-1	11/12/01	14:55 8260B		8		14		11/20/01 17:55	VOA
D1K150281019	B-80-15	11/12/01	15:05 8260B		8		14		11/20/01 18:04	VOA
D1K150281020	B-80-17	11/12/01	15:10 8260B		8		14		11/20/01 18:06	VOA
D1K150281021	B-83-1	11/12/01	15:45 8260B		8		14		11/20/01 18:50	VOA
D1K150281022	B-83-15	11/12/01	15:55 8260B		8		14		11/20/01 19:16	VOA

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GCMS VOA

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K150281023	B-83-17	11/12/01	16:05							
			8260B		8		14		11/20/01 15:52	VOA
D1K150281024	B-109-15	11/12/01	16:00							
			8260B		8		14		11/20/01 19:42	VCA

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GCMS SEMIOVA

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K150281001	B-68-4	11/12/01	08:15							
			8270C	9	4	14	40	11/21/01 08:30	11/25/01 21:31	BNAs
D1K150281002	B-68-16	11/12/01	08:30							
			8270C	9	4	14	40	11/21/01 08:30	11/25/01 21:54	BNAs
D1K150281011	B-105-16	11/12/01	13:00							
			8270C	9	4	14	40	11/21/01 08:30	11/25/01 22:17	BNAs

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: METALS

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1K150281001	B-68-4	11/12/01	08:15							
			6010B			15	180		11/27/01 16:38	ICP
			6010B			15	180		11/27/01 16:38	ICP
			7471A			14	28		11/26/01 20:23	
D1K150281002	B-68-16	11/12/01	08:30							
			6010B			15	180		11/27/01 16:57	ICP
			6010B			15	180		11/27/01 16:57	ICP
			7471A			14	28		11/26/01 20:25	
D1K150281004	B-69-3	11/12/01	11:00							
			6010B			15	180		11/27/01 17:01	ICP
			6010B			15	180		11/27/01 17:02	ICP
			7471A			14	28		11/26/01 20:27	
D1K150281005	B-69-15	11/12/01	11:15							
			6010B			15	180		11/27/01 17:07	ICP
			6010B			15	180		11/27/01 17:07	ICP
			7471A			14	28		11/26/01 20:29	
D1K150281011	B-105-16	11/12/01	13:00							
			6010B			15	180		11/27/01 17:12	ICP
			6010B			15	180		11/27/01 17:12	ICP
			7471A			14	28		11/26/01 20:31	
D1K150281014	B-63-0.5	11/12/01	14:10							
			6010B			15	180		11/27/01 17:26	ICP
			6010B			15	180		11/27/01 17:26	ICP
			7471A			14	28		11/26/01 20:32	
D1K150281015	B-63-11	11/12/01	14:20							
			6010B			15	180		11/27/01 17:33	ICP
			6010B			15	180		11/27/01 17:33	ICP
			7471A			14	28		11/26/01 20:34	
D1K150281016	B-63-19	11/12/01	14:30							
			6010B			15	180		11/27/01 17:36	ICP
			6010B			15	180		11/27/01 17:36	ICP
			7471A			14	28		11/26/01 20:36	

CAMERON-COLE LLC

Wichita, KS

HOLD TIME REPORT

Lab: GENERAL CHEMISTRY

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
DIK150281001	B-68-4	11/12/01	08:15							
			160.3 MOD		15		99		11/27/01	15:00
DIK150281002	B-68-16	11/12/01	08:30							
			160.3 MOD		15		99		11/27/01	15:00
DIK150281004	B-69-3	11/12/01	11:00							
			160.3 MOD		15		99		11/27/01	15:00
DIK150281005	B-69-15	11/12/01	11:15							
			160.3 MOD		15		99		11/27/01	15:00
DIK150281006	B-77-5	11/12/01	12:00							
			160.3 MOD		15		99		11/27/01	15:00
DIK150281007	B-77-16	11/12/01	12:15							
			160.3 MOD		15		99		11/27/01	15:00
DIK150281009	B-59-3	11/12/01	13:30							
			160.3 MOD		15		99		11/27/01	15:00
DIK150281010	B-59-15	11/12/01	14:10							
			160.3 MOD		15		99		11/27/01	15:00
DIK150281011	B-105-16	11/12/01	13:00							
			160.3 MOD		15		99		11/27/01	15:00
DIK150281012	B-107-3	11/12/01	14:00							
			160.3 MOD		15		99		11/27/01	15:00
DIK150281013	B-108-16	11/12/01	12:15							
			160.3 MOD		15		99		11/27/01	15:00
DIK150281014	B-63-0.5	11/12/01	14:10							
			160.3 MOD		15		99		11/27/01	15:00
DIK150281015	B-63-11	11/12/01	14:00							
			160.3 MOD		15		99		11/27/01	15:00
DIK150281016	B-63-19	11/12/01	14:30							
			160.3 MOD		15		99		11/27/01	15:00
DIK150281018	B-80-1	11/12/01	14:55							
			160.3 MOD		15		99		11/27/01	15:00
DIK150281019	B-80-15	11/12/01	15:05							
			160.3 MOD		15		99		11/27/01	15:00
DIK150281021	B-83-1	11/12/01	15:45							
			160.3 MOD		15		99		11/27/01	15:00
DIK150281022	B-83-15	11/12/01	15:55							
			160.3 MOD		15		99		11/27/01	15:00
DIK150281024	B-109-15	11/12/01	16:00							
			160.3 MOD		15		99		11/27/01	15:00

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

SEVERN
TRENT
SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0700) DEN (0900)



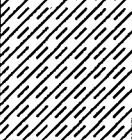
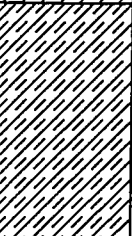

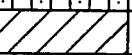

Client Safety-Kleen (Wichita) Inc. Facility			Project Manager Kay Trausler (Cameroon - C/E)			Date 11/13/01		Chain of Custody Number 041150	
Address 2549 North New York Avenue			Telephone Number (Area Code)/Fax Number 303-938-5535 / 303-938-5520			Lab Number		Page 2 of 3	
City Wichita	State KS	Zip Code 67219	Site Contact Russell Dean		Lab Contact Kae Kaden		Analysis (Attach list if more space is needed)		
Project Name and Location (State) S-K Wichita Facility, Wichita KS			Carrier/Waybill Number			Special Instructions/ Conditions of Receipt			
Contract/Purchase Order/Quote No. 1205-2									

Contract/Purchase Order/Quote No: 1205-2			Matrix				Containers & Preservatives										Special Instructions/ Conditions of Receipt																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed	Soil	Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc	NaOH	VOC (5200)	PCB (5200)	PAH (5200)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		</

Possible Hazard Identification			Sample Disposal			(A fee may be assessed if samples are retained longer than 3 months)		
<input checked="" type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client	<input checked="" type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For _____ Months	
Turn Around Time Required			OC Requirements (Specify)					
<input type="checkbox"/> 24 Hours	<input checked="" type="checkbox"/> 48 Hours	<input type="checkbox"/> 7 Days	<input checked="" type="checkbox"/> 14 Days	<input type="checkbox"/> 21 Days	<input type="checkbox"/> Other _____			
1. Relinquished By <i>Phil N. Cameron</i>			Date 11/13/01			Time 1545		
2. Relinquished By			Date			Time		
3. Relinquished By			Date			Time		
1. Received By TO: UPS			Date			Time		
2. Received By <i>Tom Macky</i>			Date 11/14/01			Time 1015		
3. Received By			Date			Time		

Comments
Please call Kay Trausler with any questions

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: <i>1205</i>		
PROJECT: <i>RFI Phase II Investigation</i>				LOCATION: <i>Wichita, Kansas</i>		
DRILLED BY: <i>EPS</i>			DRILLER: <i>Pat Martin</i>		METHOD: <i>Geo Probe</i>	
START DATE: <i>11-8-01</i>		COMP. DATE: <i>11-8-01</i>		SURF. EL.:		TD: <i>16.0 FT. BGS</i>
LOGGED BY: <i>JAN</i>			MEAS. PT ELEV.:		D. T. WATER: <i>15 FT. BGS</i>	
WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS
	0.0'-1.0'	Gravel parking lot material	 Fill			
	1.0'-4.5'	Silty clay, very dark brown (10YR2/2), silt 40%, clay 60%, stiff, dry, no stain, no odor.	 CL/ML	5.0	B-45-4 0850	
	4.5'-10.0'	Clayey silt, light brown (7.5YR6/4), silt 80%, clay 20%, stiff, dry, no stain, no odor.	 CL/ML	10.8		
	10.0'-14.0'	Silty sand, brownish yellow (10YR6/8), sand 75% (fine), silt 25%, moist, no stain, no odor.	 SM	6.4	B-45-14 0905	
	14.0'-15.0'	Clay with silt, light brownish gray (10YR6/2), silt 15%, clay 85%, moist, no stain, no odor.	 CL	NA		
	15.0'-16.0'	Sand, brownish yellow (10YR6/8), sand 100% (fine), wet, no stain, no odor.	 SP	1.0		
	Total Depth = 16.0 feet					
	20	Groundwater sample collected from 14-16' Sample ID: B-45-15 0915				
	25					
	30					

SAFETY-KLEEN CONSULTING

LOG

Page 1 of 1

BORING NO.

WELL NO. B-46

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: 1205		
PROJECT: <i>RFI Phase II Investigation</i>				LOCATION: <i>Wichita, Kansas</i>		
DRILLED BY: <i>EPS</i>		DRILLER: <i>Pat Martin</i>		METHOD: <i>Geo Probe</i>		
START DATE: <i>11-8-01</i>		COMP. DATE: <i>11-8-01</i>		SURF. EL.:		TD: <i>16.0 FT. BGS</i>
LOGGED BY: <i>JAN</i>		MEAS. PT ELEV.:		D. T. WATER: <i>14 FT. BGS</i>		
WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS
	0.0'-1.0'	Gravel parking lot material	Fill	NA		
	1.0'-5.5'	Silty clay, very dark brown (10YR2/2), silt 40%, clay 60%, stiff, dry, no stain, no odor.	CL/ML	22.5	B-46-2 0835	
	5.5'-10.0'	Clayey silt, light brown (7.5YR6/4), silt 80%, clay 20%, stiff, dry, no stain, no odor.	ML/CL	25.2		
	10.0'-13.0'	Silty sand, brownish yellow (10YR6/8), sand 75% (fine), silt 25%, moist, no stain, no odor.	SM	47.6 7.1	B-46-13 0950	
	13.0'-14.0'	Clay with silt, light brownish gray (10YR6/2), silt 15%, clay 85%, moist/wet, no stain, no odor.	CL	NA		
	14.0'-16.0'	Sand, brownish yellow (10YR6/8), sand 100% (fine), wet, no stain, no odor.	SP	4.8		
	Total Depth = 16.0 feet					
	Groundwater sample collected from 14-16' Sample ID: B-46-17 1000					

JOB NUMBER: 1205

SAFETY-KLEEN CONSULTING


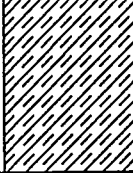
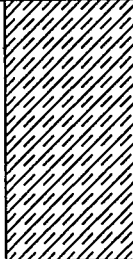

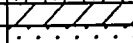
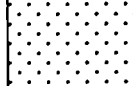
LOG

Page 1 of 1

BORING NO.

WELL NO.-B-47

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: 1205			
PROJECT: <i>RFI Phase II Investigation</i>				LOCATION: <i>Wichita, Kansas</i>			
DRILLED BY: <i>EPS</i>			DRILLER: <i>Pat Martin</i>		METHOD: <i>Geo Probe</i>		
START DATE: <i>11-8-01</i>		COMP. DATE: <i>11-8-01</i>		SURF. EL.:		TD: <i>17.0 FT. BGS</i>	
LOGGED BY: <i>JAN</i>			MEAS. PT ELEV.:		D. T. WATER: <i>14.5 FT. BGS</i>		

WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS
		0.0'-1.0' Gravel parking lot material	 Flll	NA		
		1.0'-5.0' Silty clay, very dark brown (10YR2/2), silt 40%, clay 60%, stiff, dry, no stain, no odor.	 CL/ML	3.5	B-47-3 1100	
	5	5.0'-11.0' Clayey silt, light brown (7.5YR6/4), silt 80%, clay 20%, stiff, dry, no stain, no odor.	 ML/CL	3.8		
	10	11.0'-14.0' Silty sand, brownish yellow (10YR6/8), sand 75% (fine), silt 25%, moist, no stain, no odor.	 SM	3.5	B-47-14 1115	
	15	14.0'-14.5' Clay with silt, light brownish gray (10YR6/2), silt 15%, clay 85%, moist/wet, no stain, no odor.	 CL	NA		
		14.5'-17.0' Sand, brownish yellow (10YR6/8), sand 100% (fine), wet, no stain, no odor.	 SP	3.6		
		Total Depth = 17.0 feet				
	20	Groundwater sample collected from 15-17' Sample ID: B-47-16 1120				
	25					
	30					

JOB NUMBER: 1205

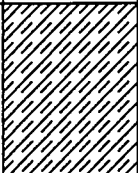
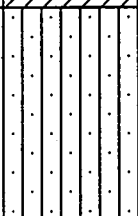
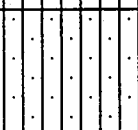
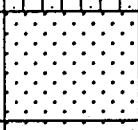
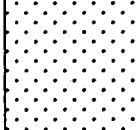
SAFETY-KLEEN CONSULTING

LOG

Page 1 of 1

BORING NO.

WELL NO.-B-48

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: 1205		
PROJECT: <i>RFI Phase II Investigation</i>				LOCATION: <i>Wichita, Kansas</i>		
DRILLED BY: <i>EPS</i>		DRILLER: <i>Pat Martin</i>		METHOD: <i>Geo Probe</i>		
START DATE: <i>11-9-01</i>		COMP. DATE: <i>11-9-01</i>		SURF. EL.:		TD: <i>19.0 FT. BGS</i>
LOGGED BY: <i>JAN</i>		MEAS. PT ELEV.:		D. T. WATER: <i>16 FT. BGS</i>		
WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS
		0.0'-1.0' 4" concrete, 8" basecourse		NA		
		1.0'-5.0' Silty clay, very dark brown (10YR2/2), silt 65%, clay 35%, stiff, dry, no stain, no odor.		15.1	B-48-3 0920	
	5	5.0'-10.0' Sandy silt, brown (10YR5/4), sand 30% (fine), silt 70%, dry, no stain, no odor.		13.8		
	10	10.0'-13.0' Silty sand, brown (10YR5/4), sand 80% (fine), silt 20%, dry, no stain, no odor.				
	15	13.0'-15.5' Sand, brown (10YR5/4), sand 100% (fine), moist, no stain, no odor.		22.5	B-48-14 0940	
	17.6	14.5'-19.0' Sand, brown (10YR5/4), sand 100% (medium to coarse), wet, no stain, no odor.		17.6		
	20	Total Depth = 19.0 feet Groundwater sample collected from 17'-19' Sample ID: B-48-18 0945				
	25					
	30					

JOB NUMBER: 1205

SAFETY-KLEEN CONSULTING

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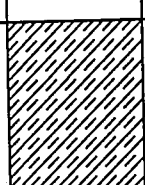
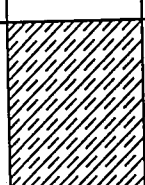
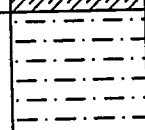
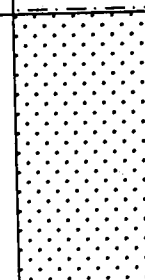
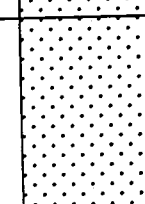
BORING NO.

WELL NO. B-49

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: 1205		
PROJECT: <i>RFI Phase II Investigation</i>				LOCATION: <i>Wichita, Kansas</i>		
DRILLED BY: <i>EPS</i>		DRILLER: <i>Pat Martin</i>		METHOD: <i>Geo Probe</i>		
START DATE: <i>11-7-01</i>		COMP. DATE: <i>11-7-01</i>		SURF. EL.:		TD: <i>16.0 FT. BGS</i>
LOGGED BY: <i>JAN</i>		MEAS. PT ELEV.:		D. T. WATER: <i>15 FT. BGS</i>		
WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS
	0.0'-1.0'	4" concrete, 8" basecourse		NA	B-49-4 1620 11/8/01 PAH	0825
	1.0'-5.0'	Clayey silt, very dark brown (10YR2/2), silt 70%, clay 30%, stiff, dry, no stain, no odor.		5.6		
	5.0'-9.0'	Silty sand, brown (10YR5/4), sand 65% (fine), silt 35%, dry, no stain, no odor.		6.4		
	9.0'-13.0'	Sand with silt, brown (10YR5/4), sand 85% (fine), silt 15%, dry, no stain, no odor.		11.7	B-49-15 1635 11/8/01 PAH 0835	
	13.0'-16.0'	Sand, brown (10YR5/4), sand 100% (fine), moist, no stain, no odor.		5.0		
	Bottom 5" - coarse sand, wet, no stain, no odor.					
	Total Depth = 16.0 feet					

JOB NUMBER: 1205

BORING NO.
WELL NO.-B-50

CLIENT: Safety-Kleen (Wichita), Inc.					JOB NO.: 1205		
PROJECT: RFI Phase II Investigation				LOCATION: Wichita, Kansas			
DRILLED BY: EPS			DRILLER: Pat Martin		METHOD: Geo Probe		
START DATE: 11-9-01		COMP. DATE: 11-9-01		SURF. EL.:		TD: 19.0 FT. BGS	
LOGGED BY: JAN			MEAS. PT ELEV.:		D. T. WATER: 16 FT. BGS		
WELL DIAGRAM	OPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS	
		0.0'-1.0' 4" concrete, 8" basecourse		NA 13.0	B-50-4 1030	DUP8 B-100-4 1330 (VOCs)	
		1.0'-5.0' Clayey silt, very dark brown (10YR2/2), silt 65%, clay 35%, stiff, dry, no stain, no odor.		ML/CL			
	5	5.0'-8.0' Sandy silt, brown (10YR5/4), sand 30% (fine), silt 70%, dry, no stain, no odor.		ML			119.3
	10	8.0'-14.5' Sand, brown (10YR5/4), sand 95% (fine), silt <5%, dry, no stain, no odor.		SP			29.3 15.1
	15	14.5'-19.0' Sand, brown (10YR5/4), sand 100% (medium to coarse) 100%, no stain, no odor.		SP	147.0	B-50-15 1045	DUP B-100-15 1345 (PAHs)
		Total Depth = 19.0 feet					
		Groundwater sample collected from 17-19' Sample ID: 5-50-18 1050					

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BORING NO.
WELL NO.-B-51

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: <i>1205</i>	
PROJECT: <i>RFI Phase II Investigation</i>			LOCATION: <i>Wichita, Kansas</i>		
DRILLED BY: <i>EPS</i>		DRILLER: <i>Pat Martin</i>		METHOD: <i>Geo Probe</i>	
START DATE: <i>11-7-01</i>		COMP. DATE: <i>11-7-01</i>		SURF. EL.: <i></i>	
LOGGED BY: <i>JAN</i>		MEAS. PT ELEV.: <i></i>		D. T. WATER: <i>15 FT. BGS</i>	

WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS
	0.0'-5.0'	Clayey silt, very dark brown (10YR2/2), silt 75%, clay 25%, stiff, dry, no stain, no odor.		7.2	B-51-4 1545	
	5.0'-8.0'	Clayey silt, brown (10YR5/4), sand 85% (fine), silt 15%, dry, no stain, no odor.		4.8		
	8.0'-14.0'	Silty sand, brown (10YR5/4), sand 80% (fine), silt 20%, moist, no stain, no odor.		3.2		
	14.0'-15.0'	Sand, gray (7.5YR5/4), sand 100% (medium to coarse), moist, stained, odor.		6.4	B-51-15 1555	
	15.0'-16.0'	Sand, brown (10YR5/4), sand 100% (medium to fine), wet, no stain, no odor.		NA		
		Total Depth = 16.0 feet				

JOB NUMBER: 1205

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BORING NO.
WELL NO. B-52

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: <i>1205</i>		
PROJECT: <i>RFI Phase II Investigation</i>				LOCATION: <i>Wichita, Kansas</i>		
DRILLED BY: <i>EPS</i>		DRILLER: <i>Pat Martin</i>		METHOD: <i>Geo Probe</i>		
START DATE: <i>11-7-01</i>		COMP. DATE: <i>11-7-01</i>		SURF. EL.:		TD: <i>16.0 FT. BGS</i>
LOGGED BY: <i>JAN</i>		MEAS. PT ELEV.:		D. T. WATER: <i>14 FT. BGS</i>		

WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS
	0.0'-4.0'	Clayey silt, very dark brown (10YR2/2), silt 75%, clay 25%, stiff, dry, no stain, no odor.		7.4	B-52-4 1520	
	4.0'-10.0'	Clayey silt, brown (10YR5/4), silt 65%, clay 35%, stiff, dry, no stain, no odor.		6.8		
	10.0'-11.5'	Silty clay, gray (7.5YRN5), silt 15%, clay 85%, plastic, moist, no stain, odor.		17.0		
	11.5'-14.0'	Silty sand, gray (7.5YRN5), sand 80%, silt 20%, moist, odor.				
	14.0'-16.0'	Sand, gray (7.5YRN5), sand 100% (medium to fine), wet, odor.		87.2	B-52-15 1535	
		Total Depth = 16.0 feet				

JOB NUMBER: 1205

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BORING NO.

WELL NO. B-53

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: 1205		
PROJECT: <i>RFI Phase II Investigation</i>			LOCATION: <i>Wichita, Kansas</i>			
DRILLED BY: <i>EPS</i>		DRILLER: <i>Pat Martin</i>		METHOD: <i>Geo Probe</i>		
START DATE: <i>11-7-01</i>		COMP. DATE: <i>11-7-01</i>		SURF. EL.: <i></i>		
LOGGED BY: <i>JAN</i>		MEAS. PT ELEV.: <i></i>		D. T. WATER: <i>19 FT. BGS</i>		
WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS
	0.0'-4.0'	Silty sand with gravel, light brown (10YR6/3), gravel 15% (fine), sand 60%, silt 25%, moist, no stain, no odor.		Fill	7.4	B-53-5 0815
	4.0'-8.0'	Silty clay, dark brown (10YR4/4), silt 10%, clay 90%, stiff, moist, no stain, no odor.		ML/CL		
	8.0'-11.0'	Silty clay, brown (7.5YR5/2), silt 35%, clay 65%, moist, no stain, no odor.		ML/CL		
	11.0'-12.0'	Sand, pale yellow (2.5YR7/3), sand 100% (fine), moist, no stain, no odor.		SP	NA	
	12.0'-16.0'	Pushed cobble, no recovery.				
	16.0'-19.0'	Sand, pale yellow (2.5Y7/3), sand 100% (fine to coarse), wet, no stain, odor in saturated zone.		SP	3.2	B-53-17 0845
19.0'-20.0'	Gravelly sand, dark gray (7.5YRN4), sand 80% (fine to coarse), gravel 20% (fine), wet, no stain, odor.		SW	4.0		
		Total Depth = 20.0 feet				

JOB NUMBER: 1205

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BORING NO.
WELL NO. B-54

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: 1205		
PROJECT: <i>RFI Phase II Investigation</i>				LOCATION: <i>Wichita, Kansas</i>		
DRILLED BY: <i>EPS</i>		DRILLER: <i>Pat Martin</i>		METHOD: <i>Geo Probe</i>		
START DATE: <i>11-7-01</i>		COMP. DATE: <i>11-7-01</i>		SURF. EL.:		TD: <i>20.0 FT. BGS</i>
LOGGED BY: <i>JAN</i>		MEAS. PT ELEV.:		D. T. WATER: <i>19 FT. BGS</i>		

WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS
	0.0'-3.0'	Silty sand with gravel, dark brown (10YR4/3), gravel 10% (fine), sand 15% (medium to fine), silt 75%, dry, no stain, no odor.	Fill	13.3	B-54-4 0740	
	3.0'-4.0'	Silty clay, very dark brown (7.5YR2/3), dry, iron stain, no odor.	CL/ML	0.2		
	4.0'-8.0'	Silty clay, dark brown (7.5YR4/4), silt 10%, clay 90%, stiff, dry, no stain, no odor.	ML/CL	3.2		
	8.0'-12.0'	Silty clay, brown (7.5YR5/2), silt 25%, clay 75%, stiff, dry, iron staining, no odor.	ML/CL	4.8		
	12.0'-16.0'	Sand, pale yellow (2.5YR7/3), sand 100% (fine to medium), dry, no stain, no odor.	SP	4.5		
	16.0'-20.0'	Sand, pale yellow (2.5Y7/3), sand 100% (fine to coarse), wet, no stain, odor in saturated zone.	SP	1.8 (wet)	B-54-17 0800	
	20	Total Depth = 20.0 feet				

JOB NUMBER: 1205

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BORING NO.

WELL NO. B-55

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: <i>1205</i>		
PROJECT: <i>RFI Phase II Investigation</i>			LOCATION: <i>Wichita, Kansas</i>			
DRILLED BY: <i>EPS</i>		DRILLER: <i>Pat Martin</i>		METHOD: <i>Geo Probe</i>		
START DATE: <i>11-6-01</i>		COMP. DATE: <i>11-6-01</i>		SURF. EL.: <i></i>		
LOGGED BY: <i>JAN</i>		MEAS. PT ELEV.: <i></i>		D. T. WATER: <i>19 FT. BGS</i>		
WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS
	0.0'-2.5'	Silty sand with gravel, dark brown (10YR4/3), gravel 10% (fine), sand 10% (fine), silt 80%, green stain at 2.5 ft, no odor, dry, probable fill.				
	2.5'-4.0'	Silty clay, very dark brown (7.5YR2/3), silt 35%, clay 65%, little iron staining, no odor, dry.		2.3 3 or 1	B-55-3 0740	
	4.0'-8.0'	Silty clay, very dark brown (7.5YR3/3), silt 35%, clay 65%, little iron staining, no odor, dry.		3.0 88ft		
	8.0'-12.0'	Silty clay with sand, light yellowish brown (2.5YR6/3), sand 20%, silt 30%, clay 50%, little iron staining, no odor, dry.		0.8 10ft		
	12.0'-16.0'	Sand, pale yellow (2.5YR7/3), sand 100% (fine to coarse), no stain, no odor, dry.		NK		
	16.0'-20.0'	Sand, pale yellow (2.5Y7/3), sand 100% (fine to coarse), stain at water top, hydrocarbon odor in saturated zone, wet.		0.6 19.5'	B-55-17 17.5' 1615	
	20	Total Depth = 20.0 feet				

JOB NUMBER: 1205

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BORING NO.
WELL NO. B-56

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: 1205		
PROJECT: <i>RFI Phase II Investigation</i>				LOCATION: <i>Wichita, Kansas</i>		
DRILLED BY: <i>EPS</i>			DRILLER: <i>Pat Martin</i>		METHOD: <i>Geo Probe</i>	
START DATE: <i>11-9-01</i>		COMP. DATE: <i>11-9-01</i>		SURF. EL.:		TD: <i>20.0 FT. BGS</i>
LOGGED BY: <i>JAN</i>			MEAS. PT ELEV.:		D. T. WATER: <i>14 FT. BGS</i>	

WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS
	0.0'-8.5'	Silty clay, dark brown (7YR4/4), silt 45%, clay 55%, stiff, dry, no stain, no odor.	CL/ML	7.8	B-56-3 0830	
	8.5'-16.0'	Silty clay, gray (7.5YR8), silt 40%, clay 60%, stiff, moist, no stain, no odor.	CL/ML	8.1		
	16.0'-20.0'	Sand, brown (7.5YR7/3), sand 100% (medium to coarse), wet, no stain, no odor.	SW	7.5 7.2	B-56-16 0845	
	Total Depth = 20.0 feet Groundwater sample collected B-56-18 at 0850 and Dup-B-102-18 at 1450 Note: used water level indicator, water at 13.5' ft.					

JOB NUMBER: 1205


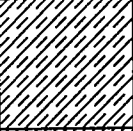
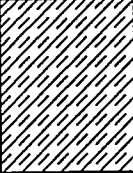
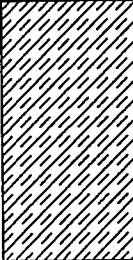

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BORING NO.
WELL NO.-B-57

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: <i>1205</i>		
PROJECT: <i>RFI Phase II Investigation</i>				LOCATION: <i>Wichita, Kansas</i>		
DRILLED BY: <i>EPS</i>		DRILLER: <i>Pat Martin</i>		METHOD: <i>Geo Probe</i>		
START DATE: <i>11-7-01</i>		COMP. DATE: <i>11-7-01</i>		SURF. EL.:		TD: <i>16.0 FT. BGS</i>
LOGGED BY: <i>JAN</i>		MEAS. PT ELEV.:		D. T. WATER: <i>14 FT. BGS</i>		

WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS
		0.0'-1.0' Gravel parking lot material	 FIII	8.5	B-57-3 1404	
		1.0'-4.0' Silty clay, very dark brown (10YR2/2), silt 20%, clay 80%, stiff, no stain, no odor.	 CL/ML	6.1		
	5	4.0'-8.0' Silty clay, dark brown (7YR4/4), silt 45%, clay 55%, stiff, dry, no stain, no odor.	 CL/ML	47.2		
	10	8.0'-14.0' Clayey silt, dark brown (7YR4/4), silt 65%, clay 35%, dry, no stain, no odor.	 ML/CL	8.5	B-57-15 1420	
	15	14.0'-16.0' Sand, gray (7.5YR5), sand 100% (fine), wet, no stain, no odor.	 SP	53.8		
		Total Depth = 16.0 feet				
	20					
	25					
	30					

JOB NUMBER: 1205


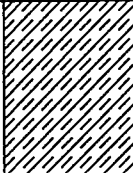
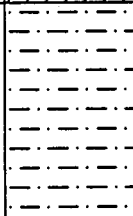

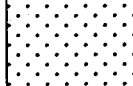
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BORING NO.

WELL NO. B-58

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: 1205			
PROJECT: <i>RFI Phase II Investigation</i>				LOCATION: <i>Wichita, Kansas</i>			
DRILLED BY: <i>EPS</i>			DRILLER: <i>Pat Martin</i>		METHOD: <i>Geo Probe</i>		
START DATE: <i>11-7-01</i>		COMP. DATE: <i>11-7-01</i>		SURF. EL.:		TD: <i>16.0 FT. BGS</i>	
LOGGED BY: <i>JAN</i>			MEAS. PT ELEV.:		D. T. WATER: <i>14 FT. BGS</i>		
WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS	
		0.0'-1.0' Gravel parking lot material	 Fill	7.2	B-58-3 1445		
		1.0'-5.0' Silty clay, very dark brown (10YR2/2), silt 20%, clay 80%, stiff, dry, no stain, no odor.	 CL/ML	8.2			
	5	5.0'-10.0' Clayey silt, light brown (7YR6/4), silt 80%, clay 20%, stiff, dry, no stain, no odor.	 ML	5.3			
	10	10.0'-13.5' Silty sand, light brown (7.5YR6/4), sand 70% (fine), silt 30%, dry, no stain, no odor.	 SM	4.5	B-58-15 1500		
	15	13.5'-16.0' Sand, light brown (7.5YR6/4), sand 100% (fine), wet, no stain, no odor.	 SP				
		Total Depth = 16.0 feet					
	20						
	25						
	30						

JOB NUMBER: 1205

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BORING NO.
WELL NO. B-59

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: <i>1205</i>		
PROJECT: <i>RFI Phase II Investigation</i>				LOCATION: <i>Wichita, Kansas</i>		
DRILLED BY: <i>EPS</i>		DRILLER: <i>Doug</i>		METHOD: <i>Geo Probe</i>		
START DATE: <i>11-12-01</i>		COMP. DATE: <i>11-12-01</i>		SURF. EL.:		TD: <i>16.0 FT. BGS</i>
LOGGED BY: <i>JAN</i>		MEAS. PT ELEV.:		D. T. WATER: <i>16 FT. BGS</i>		

WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS
	0.0'-1.0'	Concrete and basecourse				
	1.0'-3.0'	Silty sand with gravel, brown (10YR5/4), gravel 10% (fine), sand 55%, silt 35%, chunks of concrete and glass.	SM	17.7	B-59-3 1330	
	3.0'-10.0'	Clayey silt, very dark brown (7.5YR2/3), silt 70%, clay 30%, moist iron staining, no odor.	CL/ML	15.1		
	10.0'-13.5'	Silty sand, gray (7.5YR6/4), sand 75%, silt 25%, dry, no stain, no odor.	SM	12.7		
	13.5'-16.0'	Sand, brown (10YR5/4), sand 100% (medium to coarse), moist, stained, odor, tip of spoon saturated.	SP	6.8	B-59-15 1410	
	Total Depth = 16.0 feet					

JOB NUMBER: 1205

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BORING NO.

WELL NO. B-60

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: 1205		
PROJECT: <i>RFI Phase II Investigation</i>				LOCATION: <i>Wichita, Kansas</i>		
DRILLED BY:		DRILLER:		METHOD:		
START DATE: <i>11-9-01</i>		COMP. DATE: <i>11-9-01</i>		SURF. EL.:		TD: <i>21.0 FT. BGS</i>
LOGGED BY: <i>JAN</i>		MEAS. PT ELEV.:		D. T. WATER: <i>17 FT. BGS</i>		
WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS
	0.0'-1.0'	Concrete and basecourse		17.9	B-60-1	
	1.0'-7.0'	Clayey silt, very dark grayish brown (10YR3/2), silt 65%, clay 35%, moist, no stain, no odor.	CL/ML	17.1	B-60-3	
	7.0'-13.0'	Sand, grayish brown (10YR5/2), sand 95% (fine), silt <5%, dry, odor.	SP	19.1	B-60-16	
	13.0'-16.0'	Silty sand, grayish brown (10YR5/2), sand 80% (fine), silt 20%, dry, odor.	SP/ML	24.3	1210	
	16.0'-18.0'	Sand, gray (10YR5/1), sand 100% (medium to coarse), wet, odor.	SP	29.1		
	18.0'-21.0'	Sand, gray (10YR5/1), sand 100% (medium to coarse), wet, odor.	SP			
	Total Depth = 21.0 feet					
Groundwater sample collected from 19-21'						
Sample ID: B-60-18						
1220						

JOB NUMBER: 1205

SAFETY-KLEEN CONSULTING

LOG

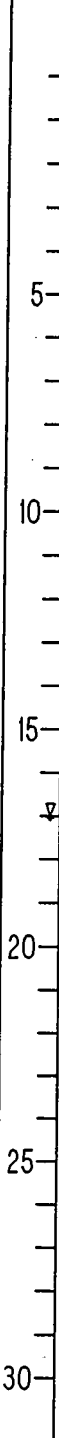







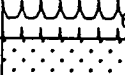
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BORING NO.

WELL NO. B-61

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: 1205		
PROJECT: <i>RFI Phase II Investigation</i>				LOCATION: <i>Wichita, Kansas</i>		
DRILLED BY: <i>EPS</i>		DRILLER: <i>Pat Martin</i>		METHOD: <i>GeoProbe</i>		
START DATE: <i>11-7-01</i>		COMP. DATE: <i>11-7-01</i>		SURF. EL.:		TD: <i>20.0 FT. BGS</i>
LOGGED BY: <i>JAN</i>		MEAS. PT ELEV.:		D. T. WATER: <i>15.5 FT. BGS</i>		
WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS
	0.0'-5.0'	Silty sand with gravel, brown (7.5YR5/3), gravel 10% (fine), sand 50%, silt 40%, dry, no stain, no odor. Chunks of glass brick present.		3.4	B-61-05 1012	
				6.6	B-61-4 1012	
	5.0'-11.0'	Silty clay, dark brown (7.5YR4/4), silt 15%, clay 85%, stiff, dry, no stain, no odor.		6.4		
	11.0'-12.0'	Clayey silt, very pale brown (10YR7/3), silt 55%, clay 45%, dry, no stain, no odor.	ML/CL	3.2		
	12.0'-13.5'	Clayey silt, very pale brown (10YR7/3), silt 55%, clay 45%, dry, no stain, no odor.	ML/CL	4.0		
	13.5'-16.0'	Sand, brownish yellow (10YR7/3), silt 60% (fine), medium to coarse 40%, dry, no stain, no odor.	SP	3.7	B-61-18 1040	
	16.0'-18.0'	Sand, brownish yellow (10YR6/6), sand 60% (fine), medium to coarse 40%, wet, no stain, no odor.	SP	4.0		
18.0'-20.0'	Gravelly sand, brownish yellow (10YR6/8), gravel 15% (fine), sand 85% (medium to coarse), wet, no stain, no odor.	SW				
Total Depth = 20.0 feet						

JOB NUMBER: 1205

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: 1205		
PROJECT: <i>RFI Phase II Investigation</i>				LOCATION: <i>Wichita, Kansas</i>		
DRILLED BY: <i>EPS</i>				DRILLER: <i>Pat Martin</i>		METHOD: <i>GeoProbe</i>
START DATE: <i>11-7-01</i>		COMP. DATE: <i>11-7-01</i>		SURF. EL.:		TD: <i>20.0 FT. BGS</i>
LOGGED BY: <i>JAN</i>		MEAS. PT ELEV.:			D. T. WATER: <i>17 FT. BGS</i>	
WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS
	0.0'-2.0'	Silty sand with gravel, brown (7.5YR5/3), gravel 10% (fine), sand 50%, silt 40%, dry, no stain, no odor.	 Fill	3.4	B-62-05 0930	
	2.0'-4.0'	Silty clay, dark brown (7.5YR4/4), silt 10%, clay 90%, stiff, dry, iron stain, no odor.	 CL/ML	4.2	B-62-5 0935	
	4.0'-8.0'	Silty clay, dark brown (7.5YR4/4), silt 10%, clay 90%, stiff, dry, iron stain, no odor.	 CL/ML	3.2		
	8.0'-11.0'	Silty clay, dark brown (7.5YR4/3), silt 30%, clay 70%, stiff, dry, iron stain, no odor.	 CL/ML	5.3		
	11.0'-12.0'	Interbedded sand (fine), silt, and clay layers, up to 1" thick.	 CL/ML/SP	NA		
	12.0'-16.0'	Sand, brownish yellow (10YR6/6), sand 80% (fine), medium to coarse 20%, dry, iron stain, no odor.	 SP	3.4		
	16.0'-18.0'	Sand, brownish yellow (10YR6/6), sand 80% (fine), medium to coarse 20%, dry, iron stain, no odor. Fine lamination throughout.	 SP	7.2	B-62-17 0955	
	18.0'-20.0'	Sand with gravel, dark gray (7.5YR4), sand 80% (fine to coarse), gravel 20% (fine), wet, stained, odor.	 SW	12.2		
	Total Depth = 20.0 feet					

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BORING NO.

WELL NO. -B-63

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: <i>1205</i>		
PROJECT: <i>RFI Phase II Investigation</i>				LOCATION: <i>Wichita, Kansas</i>		
DRILLED BY: <i>EPS</i>		DRILLER: <i>Doug</i>		METHOD: <i>GeoProbe</i>		
START DATE: <i>11-12-01</i>		COMP. DATE: <i>11-12-01</i>		SURF. EL.:		TD: <i>21.0 FT. BGS</i>
LOGGED BY: <i>JAN</i>		MEAS. PT ELEV.:		D. T. WATER: <i>19.5 FT. BGS</i>		
WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS
	0.0'-10.5'	Silty sand with gravel, brown (7.5YR5/4), gravel 10% (fine), sand 50%, silt 40%, dry, no stain, no odor. -bricks, glass, concrete, and metal debris		12.8 18.2	B-63-05 1410	
	10.5'-13.0'	Clayey silt, dark brown (7.5YR4/4), silt 70%, clay 30%, stiff, dry, no stain, no odor.		18.2	B-63-11 1420	
	13.0'-21.0'	Sand, pale yellow (2.5YR7/3), sand 100% (fine), dry, no stain, no odor.		8.0 7.1	B-63-19 1430	
	Total Depth = 21.0 feet Groundwater sample collected from 19-21' Sample ID: B-63-20 1435					

JOB NUMBER: 1205

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BORING NO.

WELL NO. B-64

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: <i>1205</i>			
PROJECT: <i>RFI Phase II Investigation</i>				LOCATION: <i>Wichita, Kansas</i>			
DRILLED BY: <i>EPS</i>			DRILLER: <i>Pat Martin</i>		METHOD: <i>GeoProbe</i>		
START DATE: <i>11-8-01</i>		COMP. DATE: <i>11-8-01</i>		SURF. EL.:		TD: <i>17.0 FT. BGS</i>	
LOGGED BY: <i>JAN</i>			MEAS. PT ELEV.:		D. T. WATER: <i>16 FT. BGS</i>		
WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE		OVM	SAMPLE ID	SAMPLE ANALYSIS
	0.0'-2.5'	Silty sand with gravel, black (10YR2/1), gravel 20% (fine), sand 50% (fine to coarse), silt 30%, dry, stained, odor.		FI	6.2	B-64-05 1515	
	2.5'-6.0'	Clayey silt, black (10YR2/1), silt 65%, clay 35%, moist, stained, odor.		ML/CL	12.4	B-64-3 1520	
	6.0'-11.0'	Clayey silt, yellowish brown (10YR5/6), silt 80%, clay 20%, dry, no stain, no odor.		ML	13.7		
	11.0'-17.0'	Silty sand, yellowish brown (10YR5/6), sand 85% (fine), silt 15%, moist, no stain, no odor.		SP	13.3	B-64-16 1530	
	Total Depth = 17.0 feet						

JOB NUMBER: 1205

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BORING NO.

WELL NO.-B-65

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: <i>1205</i>			
PROJECT: <i>RFI Phase II Investigation</i>				LOCATION: <i>Wichita, Kansas</i>			
DRILLED BY: <i>EPS</i>			DRILLER: <i>Pat Martin</i>		METHOD: <i>GeoProbe</i>		
START DATE: <i>11-8-01</i>		COMP. DATE: <i>11-8-01</i>		SURF. EL.:		TD: <i>17.0 FT. BGS</i>	
LOGGED BY: <i>JAN</i>			MEAS. PT ELEV.:		D. T. WATER: <i>16 FT. BGS</i>		
WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE		OVM	SAMPLE ID	SAMPLE ANALYSIS
	0.0'-2.5'	Silty sand with gravel, black (10YR2/1), gravel 20% (fine), sand 50% (fine to coarse), silt 30%, dry, stained, odor.		Flll	10.5	B-65-05 1540	
	2.5'-6.0'	Clayey silt, black (10YR2/1), silt 65%, clay 35%, moist, stained, odor.		ML/CL	16.3	B-65-3 1540	
	6.0'-11.0'	Clayey silt, dark yellowish brown (10YR4/6), silt 80% (fine), clay 20%, dry, no stain, no odor.		ML	15.1		
	11.0'-17.0'	Silty sand, yellowish brown (10YR5/6), sand 85% (fine), silt 15%, moist/wet, no stain, no odor.		SP	17.4	B-65-16 1555	
	Total Depth = 17.0 feet						

JOB NUMBER: 1205

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BORING NO.

WELL NO. B-66

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: 1205			
PROJECT: <i>RFI Phase II Investigation</i>				LOCATION: <i>Wichita, Kansas</i>			
DRILLED BY: <i>EPS</i>			DRILLER: <i>Pat Martin</i>		METHOD: <i>GeoProbe</i>		
START DATE: <i>11-8-01</i>		COMP. DATE: <i>11-8-01</i>		SURF. EL.:		TD: <i>17.0 FT. BGS</i>	
LOGGED BY: <i>JAN</i>			MEAS. PT ELEV.:		D. T. WATER: <i>17 FT. BGS</i>		
WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE		OVM	SAMPLE ID	SAMPLE ANALYSIS
	0.0'-3.0'	Silty sand with gravel, black (10YR2/1), gravel 15% (fine), sand 65% (fine to coarse), silt 20%, dry, stained, odor.		FIII	10.5	B-66-05 1630	
	3.0'-5.5'	Clayey silt, black (10YR2/1), silt 70%, clay 30%, moist, stained, odor.		ML/CL	15.7	B-66-3 1630	
	5.5'-10.0'	Clayey silt, dark yellowish brown (10YR4/6), silt 80%, clay 20%, dry, no stain, no odor.		ML	5.3		
	10.0'-13.5'	Silty sand, yellowish brown (10YR5/6), sand 85% (fine), silt 15%, moist, no stain, no odor.		SP	8.7		
	13.5'-17.0'	Sand, yellowish brown (10YR5/6), sand 95% (fine), silt <5%, moist, no stain, no odor.		SP	4.7	B-66-16 1640	
	Tip of spoon was wet						
Total Depth = 17.0 feet							

JOB NUMBER: 1205

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BORING NO.

WELL NO. B-67

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: 1205			
PROJECT: <i>RFI Phase II Investigation</i>				LOCATION: <i>Wichita, Kansas</i>			
DRILLED BY: <i>EPS</i>			DRILLER: <i>Pat Martin</i>		METHOD: <i>GeoProbe</i>		
START DATE: <i>11-8-01</i>		COMP. DATE: <i>11-8-01</i>		SURF. EL.:		TD: <i>17.0 FT. BGS</i>	
LOGGED BY: <i>JAN</i>			MEAS. PT ELEV.:		D. T. WATER: <i>17 FT. BGS</i>		
WELL DIAGRAM	OPT	DESCRIPTION	GRAPHIC LOG USCS CODE		OVM	SAMPLE ID	SAMPLE ANALYSIS
		0.0'-3.0' Silty sand with gravel, black (10YR2/1), gravel 15% (fine), sand 65% (fine to coarse), silt 20%, dry, stained, odor.		FI	14.5	B-67-05 1650	
		3.0'-6.0' Clayey silt, black (10YR2/1), silt 70%, clay 30%, moist, stained, odor.		ML/CL	15.4	B-67-3 1650	
		6.0'-10.0' Clayey silt, dark yellowish brown (10YR5/6), sand 80% (fine), clay 20%, dry, no stain, no odor.		ML	16.2		
		10.0'-14.0' Silty sand, yellowish brown (10YR5/6), sand 85% (fine), silt 15%, moist, no stain.		SP	9.8		
		14.0'-17.0' Sand, yellowish brown (10YR5/6), sand 95% (fine), silt <5%, moist, no stain, no odor.		SP	10.2	B-67-15 1645	
		Tip of sampler was saturated Total Depth = 17.0 feet					

JOB NUMBER: 1205

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BORING NO.

WELL NO. B-68

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: <i>1205</i>		
PROJECT: <i>RFI Phase II Investigation</i>				LOCATION: <i>Wichita, Kansas</i>		
DRILLED BY: <i>EPS</i>		DRILLER: <i>Pat Martin</i>		METHOD: <i>GeoProbe</i>		
START DATE: <i>11-12-01</i>		COMP. DATE: <i>11-12-01</i>		SURF. EL.:		TD: <i>25.0 FT. BGS</i>
LOGGED BY: <i>JAN</i>		MEAS. PT ELEV.:		D. T. WATER: <i>18 FT. BGS</i>		

WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS
	0.0'-1.0'	5" concrete, 7" basecourse				
	1.0'-3.5'	Clayey silt, very dark brown (10YR2/2), silt 65%, clay 35%, stiff, moist, no stain, odor.	ML/CL	23.1	B-68-4 0815	
	3.5'-8.0'	Clayey silt, gray (10YR5/1), silt 70%, clay 30%, stiff, dry, no stain, odor.	ML/CL	35.3		
	8.0'-16.0'	Silty sand, gray (10YR5/1), sand 70% (fine), silt 30%, dry, no stain, odor.	SM	162.0 123.9	B-68-16 0830	B-105-16 1300
	16.0'-25.0'	Sand, brown (10YR5/4), sand 100% (fine), wet, no stain, odor.	SP	20.3		
	25	Total Depth = 25.0 feet				
		Groundwater sample collected from 18-20' Sample ID: B-68-19 0845				
		Installed 1-inch well to 25ft with 10ft of .01 slot screen, 15ft of pvc riser				

JOB NUMBER: 1205

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BORING NO.

WELL NO. B-69

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: 1205		
PROJECT: <i>RFI Phase II Investigation</i>				LOCATION: <i>Wichita, Kansas</i>		
DRILLED BY: <i>EPS</i>			DRILLER: <i>Doug</i>		METHOD: <i>GeoProbe</i>	
START DATE: <i>11-12-01</i>		COMP. DATE: <i>11-12-01</i>		SURF. EL.:		TD: <i>20.0 FT. BGS</i>
LOGGED BY: <i>JAN</i>			MEAS. PT ELEV.:		D. T. WATER: <i>17 FT. BGS</i>	

WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS
	0.0'-3.0'	Silty sand with gravel, brown (10YR5/4), gravel 10% (fine), sand 55%, silt 35%, dry, no stain, no odor, chunks of concrete and glass.		4.7	B-69-3 1100	B-107-3 1400
	3.0'-10.0'	Clayey silt, very dark brown (7.5YR2/3), silt 70%, clay 30%, moist, iron staining, no odor.				
	10.0'-14.0'	Silty sand, gray (10YR1/5), sand 75%, silt 25%, dry, no stain, no odor. 3" gray stained layer at lift with odor		SM	8.4	
	14.0'-20.0'	Sand, brown (10YR5/4), sand 100% (medium to coarse), moist to wet, stained, odor.		SP	8.1 12.59	B-69-15 1115
	Total Depth = 20.0 feet Groundwater sample collected from 17-19' Sample ID: B-69-18 1125					

JOB NUMBER: 1205

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BORING NO.

WELL NO.-B-70

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: <i>1205</i>			
PROJECT: <i>RFI Phase II Investigation</i>				LOCATION: <i>Wichita, Kansas</i>			
DRILLED BY: <i>EPS</i>			DRILLER: <i>Pat Martin</i>		METHOD: <i>GeoProbe</i>		
START DATE: <i>11-7-01</i>		COMP. DATE: <i>11-7-01</i>		SURF. EL.:		TD: <i>20.0 FT. BGS</i>	
LOGGED BY: <i>JAN</i>			MEAS. PT ELEV.:		D. T. WATER: <i>18 FT. BGS</i>		
WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE		OVM	SAMPLE ID	SAMPLE ANALYSIS
		0.0'-4.0' Silty sand with gravel, brown (7.5YR5/3), gravel 15%, sand 50%, silt 35%, dry, no stain, no odor, chunks of brick and glass.		FIII	4.8	B-70-05 1130	
	5	4.0'-8.0' Silty sand with gravel, brown (7.5YR5/3), gravel 15%, sand 50%, silt 35%, dry, no stain, no odor, chunks of brick and glass.		FIII	6.6	B-70-8 1105	
	10	8.0'-12.0' Silty clay, very dark brown (7.5YR2/3), silt 10%, clay 90%, stiff, dry, no stain, no odor.		CL/ML	4.7		
		12.0'-14.0' Silty clay, very dark brown (7.5YR2/3), silt 10%, clay 90%, stiff, dry, no stain, no odor.		CL/ML	NA		
	15	14.0'-18.0' Sand, pale brown (10YR6/3), sand 100% (fine to medium), dry, no stain, no odor.		SP	5.0		
	20	18.0'-20.0' Gravelly sand, brownish yellow (10YR6/8), gravel 15% (fine), sand 85% (medium to coarse), wet, no stain, no odor.		SW	3.6	B-70-18 1145	
		Total Depth = 20.0 feet					

JOB NUMBER: 1205

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: <i>1205</i>	
PROJECT: <i>RFI Phase II Investigation</i>			LOCATION: <i>Wichita, Kansas</i>		
DRILLED BY: <i>EPS</i>		DRILLER: <i>Pat Martin</i>	METHOD: <i>GeoProbe</i>		
START DATE: <i>11-8-01</i>	COMP. DATE: <i>11-8-01</i>	SURF. EL.:		TD: <i>16.0 FT. BGS</i>	
LOGGED BY: <i>JAN</i>		MEAS. PT ELEV.:		D. T. WATER: <i>12 FT. BGS</i>	

WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS
		0.0'-8.0' Silty clay, dark brown (7YR4/4), silt 45%, clay 55%, stiff, dry, no stain, no odor.	 CL/ML	4.6	B-76-4 1130	
	5			3.1		
		10	8.0'-15.0' Silty clay, gray (7.5YR1/6), silt 45%, clay 55%, stiff, dry, no stain, no odor.	 CL/ML	20.0	B-76-15 1350
	15	15.0'-16.0' Gravelly sand, brown (7.5YR7/3), sand 80% (medium to coarse), gravel 20% (fine), wet, no stain, no odor.	 SW	54.5		
	20	Total Depth = 16.0 feet Note: used water level indicator and water was at 12.0 ft in borehole.				
	25					
	30					

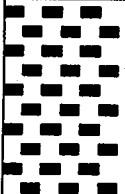


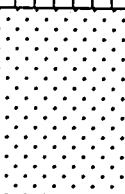
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BORING NO.

WELL NO. B-77

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: 1205		
PROJECT: <i>RFI Phase II Investigation</i>				LOCATION: <i>Wichita, Kansas</i>		
DRILLED BY: <i>EPS</i>		DRILLER: <i>Doug</i>		METHOD: <i>GeoProbe</i>		
START DATE: <i>11-12-01</i>		COMP. DATE: <i>11-12-01</i>		SURF. EL.:		TD: <i>20.0 FT. BGS</i>
LOGGED BY: <i>JAN</i>		MEAS. PT ELEV.:		D. T. WATER: <i>17 FT. BGS</i>		
WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS
		0.0'-4.5' Silty sand with gravel, brown (10YR5/4), gravel 10% (fine), sand 55%, silt 35%, dry, no stain, no odor, chunks of concrete and glass.		Fill	8.7	
	5	4.5'-11.0' Clayey silt, very dark brown (7.5YR2/3), silt 70%, clay 30%, moist, iron staining, no odor.		ML/CL	14.8	B-77-5 1200
	10				16.3	
	15	11.0'-15.5' Silty sand, gray (10YR1/5), sand 75%, silt 25%, dry, stained, odor.		SM	8.9	B-77-16 1215
	20	15.5'-20.0' Sand, brown (10YR5/4), sand 100% (medium to coarse), moist/wet, stained, odor.		SP	9.3	B-108-16 1430
		Total Depth = 20.0 feet Groundwater sample collected from 18'-20' Sample ID: B-77-19 1220				

JOB NUMBER: 1205

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BORING NO.

WELL NO. B-78

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: 1205		
PROJECT: <i>RFI Phase II Investigation</i>				LOCATION: <i>Wichita, Kansas</i>		
DRILLED BY: <i>EPS</i>		DRILLER: <i>Pat Martin</i>		METHOD: <i>GeoProbe</i>		
START DATE: <i>11-8-01</i>		COMP. DATE: <i>11-8-01</i>		SURF. EL.:		TD: <i>21.0 FT. BGS</i>
LOGGED BY: <i>JAN</i>		MEAS. PT ELEV.:		D. T. WATER: <i>17.5 FT. BGS</i>		
WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS
	0.0'-1.5'	Concrete and gravel basecourse	FII	6.8		
	1.0'-4.5'	Clayey silt, very dark brown (10YR2/2), silt 75%, clay 25% stiff, dry, no stain, no odor.	ML/CL	5.3		
	4.5'-10.0'	Clayey silt, brown (7.5YR5/3), silt 80%, clay 20%, stiff, dry, no stain, no odor.	ML/CL	10.4		
	10.0'-17.0'	Silty sand, brown (7.5YR5/3), sand 70% (fine), silt 30%, moist, no stain, no odor.	SM	17.6		
	17.0'-21.0'	Sand, brown (7.5YR5/3), sand 95% (fine), silt <5%, wet, no stain, no odor.	SP			
		Total Depth = 21.0 feet				
		Groundwater sample collected from 19-21' Sample ID: B-78-20 1200				

JOB NUMBER: 1205

SAFETY-KLEEN CONSULTING

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BORING NO.
WELL NO. B-79

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: <i>1205</i>			
PROJECT: <i>RFI Phase II Investigation</i>				LOCATION: <i>Wichita, Kansas</i>			
DRILLED BY: <i>EPS</i>			DRILLER: <i>Pat Martin</i>		METHOD: <i>GeoProbe</i>		
START DATE: <i>11-8-01</i>		COMP. DATE: <i>11-8-01</i>		SURF. EL.:		TD: <i>21.0 FT. BGS</i>	
LOGGED BY: <i>JAN</i>			MEAS. PT ELEV.:		D. T. WATER: <i>17.5 FT. BGS</i>		
WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS	
	0.0'-1.5'	Concrete and gravel basecourse	Fill	4.7			
	1.0'-4.5'	Clayey silt, very dark brown (10YR2/2), silt 75%, clay 25% stiff, dry, no stain, no odor.	ML/CL	4.7			
	5.5'-10.0'	Clayey silt, brown (7.5YR5/3), silt 80%, clay 20%, stiff, dry, no stain, no odor.	ML/CL	5.6			
	10.0'-16.5'	Silty sand, brown (7.5YR5/3), sand 70% (fine), silt 30%, moist, no stain, no odor.	SM	22.3			
	16.5'-21.0'	Sand, brown (7.5YR5/3), sand 95% (fine), silt <5%, wet, no stain, no odor.	SP				
Total Depth = 21.0 feet							
Groundwater sample collected from 19-21'							
Sample ID: B-79-20							
1335							

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BORING NO.

WELL NO.-B-80

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: 1205		
PROJECT: <i>RFI Phase II Investigation</i>				LOCATION: <i>Wichita, Kansas</i>		
DRILLED BY: <i>EPS</i>		DRILLER: <i>Pat Martin</i>		METHOD: <i>GeoProbe</i>		
START DATE: <i>11-9-01</i>		COMP. DATE: <i>11-9-01</i>		SURF. EL.:		TD: <i>17.0 FT. BGS</i>
LOGGED BY: <i>JAN</i>		MEAS. PT ELEV.:		D. T. WATER: <i>16 FT. BGS</i>		

WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS
	0.0'-1.0'	5" concrete, 7" basecourse				
	1.0'-7.0'	Clayey silt, very dark brown (10YR3/2), silt 65%, clay 35%, moist, no stain, no odor.	ML/CL	11.5	B-80-1 1455	
	7.0'-13.0'	Sand grayish, brown (10YR5/2), sand 95% (fine), silt <5%, dry, no stain, no odor.	SP	8.4		
	13.0'-16.0'	Silty sand, grayish brown (10YR5/2), sand 80% (fine), silt 20%, dry, appears degraded, odor.	SM	11.1	B-80-15 1505	B-109-15 1600
	16.0'-17.0'	Sand, gray (10YR5/1), sand 100% (coarse), wet, appears degraded, odor.	SP	9.7		
		Total Depth = 17.0 feet				
	20	Groundwater sample collected from 16-18' Sample ID: B-80-17 1510				
	25	Made two attempts off west side of building. Encountered two slabs of concrete too thick to get through. Moved location off SW corner of building. Concrete is still too thick. Moved to south side of tracks off SW corner of building.				
	30					

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BORING NO.
WELL NO. B-81

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: 1205		
PROJECT: <i>RFI Phase II Investigation</i>				LOCATION: <i>Wichita, Kansas</i>		
DRILLED BY: <i>EPS</i>		DRILLER: <i>Pat Martin</i>		METHOD: <i>GeoProbe</i>		
START DATE: <i>11-8-01</i>		COMP. DATE: <i>11-8-01</i>		SURF. EL.:		TD: <i>21.0 FT. BGS</i>
LOGGED BY: <i>JAN</i>		MEAS. PT ELEV.:		D. T. WATER: <i>18.5 FT. BGS</i>		
WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS
	0.0'-2.5'	Silty sand with gravel, brown (7.5YR5/3), gravel 10% (fine), sand 20%, silt 70%, dry, no stain, no odor.		Fill	4.1	
	2.5'-9.5'	Clayey silt, very dark brown (7.5YR3/3), silt 65%, clay 35%, dry, no stain, no odor.		ML/CL	5.0	
	9.5'-13.0'	Silty sand, light yellowish brown (10YR6/3), sand 55% (fine), silt 45%, dry, no stain, no odor. fining upwards sequence		SM	8.9 @12ft	
	13.0'-15.0'	Sand, light yellowish brown (2.5YR6/3), sand 100% (fine to medium), dry, no stain, no odor.		SP	7.4	
	15.0'-21.0'	Sand, light yellowish brown (2.5YR6/3), sand 100% (coarse), dry, no stain, no odor.		SP	3.2 5.9	
	Total Depth = 21.0 feet					
		Groundwater sample collected from 19-21' Sample ID: B-81-20 1430				
					3.2	(In sat. zone)

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BORING NO.

WELL NO. B-82

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: 1205			
PROJECT: <i>RFI Phase II Investigation</i>				LOCATION: <i>Wichita, Kansas</i>			
DRILLED BY: <i>EPS</i>			DRILLER: <i>Pat Martin</i>		METHOD: <i>GeoProbe</i>		
START DATE: <i>11-9-01</i>		COMP. DATE: <i>11-9-01</i>		SURF. EL.:		TD: <i>20.0 FT. BGS</i>	
LOGGED BY: <i>JAN</i>			MEAS. PT ELEV.:		D. T. WATER: <i>18 FT. BGS</i>		
WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS	
	0.0'-3.0'	Silty sand with gravel, brown (7.5YR3/3), gravel 10% (fine), sand 20%, silt 70%, dry, no stain, no odor.		9.3			
	3.0'-10.0'	Clayey silt, very dark brown (7.5YR3/3), silt 65%, clay 35%, dry, no stain, no odor.		14.2			
	10.0'-13.0'	Silty sand, light yellowish brown (2.5YR6/3), sand 65% (fine), silt 35%, dry, no stain, no odor.		7.5			
	13.0'-15.0'	Sand, light yellowish brown (2.5YR6/3), sand 100% (fine to medium), dry, no stain, no odor.		8.7			
	15.0'-20.0'	Sand, light yellowish brown (2.5YR6/3), sand 100% (coarse), moist/wet, no stain, no odor.		8.5			
	Total Depth = 20.0 feet						
		Groundwater sample Sample ID: B-82-18 1245					

JOB NUMBER: 1205

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BORING NO.

WELL NO. B-83

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: 1205		
PROJECT: <i>RFI Phase II Investigation</i>				LOCATION: <i>Wichita, Kansas</i>		
DRILLED BY: <i>EPS</i>			DRILLER: <i>Pat Martin</i>		METHOD: <i>GeoProbe</i>	
START DATE: <i>11-12-01</i>		COMP. DATE: <i>11-12-01</i>		SURF. EL.:		TD: <i>17.0 FT. BGS</i>
LOGGED BY: <i>JAN</i>			MEAS. PT ELEV.:		D. T. WATER: <i>16 FT. BGS</i>	

WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS
	0.0'-1.0'	Concrete and basecourse				
	1.0'-2.0'	Clayey silt, black, silt 65%, clay 35%, moist, no stain, no odor.		16.3	B-83-1 1545	
	2.0'-7.0'	Clayey silt, very dark grayish brown (10YR3/2), silt 65%, clay 35%, moist, no stain, no odor.		14.8		
	7.0'-13.5'	Sand, grayish brown (10YR5/2), sand 95% (fine), silt <5%, dry.		13.0		
	13.5'-17.0'	Sand, grayish brown (10YR5/2), sand 100% (fine), appears degraded, odor.		10.2		
				15.1	B-83-15 1555	
		Total Depth = 17.0 feet				
		Groundwater sample collected from 16-18'				
		Sample ID: B-83-17				
		1605				

JOB NUMBER: 1205

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>		JOB NO.: <i>1205</i>				
PROJECT: <i>RFI Phase II Investigation</i>		LOCATION: <i>Wichita, Kansas</i>				
DRILLED BY: <i>Geotechnical Services</i>		DRILLER: <i>Steve Gensten</i>	METHOD: <i>H5A CME-45</i>			
START DATE: <i>11-9-01</i>	COMP. DATE: <i>11-9-01</i>	SURF. EL.:	TD: <i>32.0 FT. BGS</i>			
LOGGED BY: <i>Philip Cavendor</i>		MEAS. PT ELEV.:	D. T. WATER: <i>18 FT. BGS</i>			
WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS
		30.0'-32.0' Clay, brown, 100% clay, plastic, moist, no odor, no stain.	 CL			
	35	Total Depth = 32.0 feet Set well at 28' 15' 10-slot screen 13' PVC filter 8 bags 50# oglebny 12-25 silca sand 2 bags hole plug bentonite 1 end cap 3" 1 8"x12" surface well movement Polled up well and natural backfill of sand gravel at 28' set well at 28'				
	40					
	45					
	50					
	55					
	60					

CLIENT: Safety-Kleen (Wichita), Inc.

JOB NO.: 1205

PROJECT: RFI Phase II Investigation

LOCATION: Wichita, Kansas

DRILLED BY: Geotechnical Services

DRILLER: Steve Gensler

METHOD:

START DATE: 11-9-01

COMP. DATE: 11-9-01

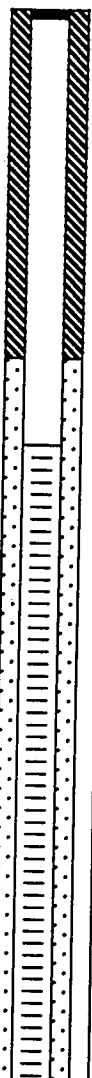
SURF. EL.: 1313

TD: 25.0 FT. BGS

LOGGED BY: Philip Cavendor

MEAS. PT ELEV.:

D. T. WATER: 18.5 FT. BGS

WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS
		0.0'-3.0' Clayey silt, dark brown to brown, 65% silt, 35% clay, low plasticity, high strength, dry, no odor, no stain.	ML	1.9		
		3.0'-7.5' Lean clay, brown, medium plasticity, minor silt, no odor, no stain.	ML	7.4		
	5	7.5'-14.0' Lean clay, dark grayish brown, medium plasticity, medium strength, dry, no odor, no stain.	SM	5.5		
	10	14.0'-15.0' Lean clay, dark grayish brown, medium plasticity, medium strength, dry, no odor, no stain.	SP	13.4		
	15	15.0'-18.0' Silty sand, very dark gray, 65% sand (very fine to coarse), 35% silt, moist, no odor, no stain.	GP	15.2		
	20	18.0'-19.0' Silty sand, very dark gray, 65% sand (very fine to coarse), minor 3"-4" silt layers, no odor, no stain.	GP	4.8		
	25	19.0'-24.0' Poorly graded sand, very dark gray to yellow brown, very fine to coarse gravel, 25% sand, 65% silt, wet, no odor, no stain. Minor rounded to sub-rounded gravel (22mm).				
	30	24.0'-27.0' Poorly graded gravel with sand, yellowish brown, 50% gravel (very fine to medium), rounded to sub-rounded, 40% sand (very fine to very coarse), 10% silt, wet, no odor, no stain.				
		27.0'-33.5' Poorly graded sand, yellowish brown, 75% sand (very fine to very coarse), rounded to sub-rounded, quartz medium felspathic gravels, 15% silt, wet, no odor, no stain.				

JOB NUMBER: 1205

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BORING NO.

WELL NO. -SK-40

CLIENT: <i>Safety-Kleen (Wichita), Inc.</i>				JOB NO.: <i>1205</i>	
PROJECT: <i>RFI Phase II Investigation</i>			LOCATION: <i>Wichita, Kansas</i>		
DRILLED BY: <i>EPS</i>		DRILLER: <i>Steve Gensten</i>		METHOD: <i>Geotechnical Service</i>	
START DATE: <i>11-9-01</i>		COMP. DATE: <i>11-9-01</i>		SURF. EL.: <i>1313</i>	
LOGGED BY: <i>Philip Cavendor</i>		MEAS. PT ELEV.:		D. T. WATER: <i>FT. BGS</i>	

WELL DIAGRAM	DPT	DESCRIPTION	GRAPHIC LOG USCS CODE	OVM	SAMPLE ID	SAMPLE ANALYSIS
	0.0'	0.0'-3.0' Clayey silt, dark brown to brown, 65% silt, 35% clay, low plasticity, high strength, dry, no odor, no stain.		CL/ML	0.0	
	3.0'-7.5'	3.0'-7.5' Lean clay, brown, medium plasticity, minor silt, no odor, no stain.		CL	0.2	
	7.5'-14.0'	7.5'-14.0' Lean clay, dark grayish brown, medium plasticity, medium strength, dry, no odor, no stain.		CL	0.0	
	14.0'-15.0'	14.0'-15.0' Lean clay, dark grayish brown, medium plasticity, medium strength, dry, no odor, no stain.		CL	3.1	
	15.0'-16.0'	15.0'-16.0' Silty sand, very dark gray, 65% sand (very fine to coarse), 35% silt, moist, no odor, no stain.		SM	5.0	
	16.0'-19.0'	16.0'-19.0' Silty sand, very dark gray, 65% sand (very fine to coarse), minor 3"-4" silt layers, no odor, no stain.		SM	7.0	
	19.0'-24.0'	19.0'-24.0' Poorly graded sand, very dark gray to yellow brown, very fine to coarse gravel, 25% sand, 65% silt, wet, no odor, no stain. Minor rounded to sub-rounded gravel (22mm).		SP	14.2	
	24.0'-27.0'	24.0'-27.0' Poorly graded gravel with sand, yellowish brown, 50% gravel (very fine to medium), rounded to sub-rounded, 40% sand (very fine to very coarse), 10% silt, wet, no odor, no stain.		GP	4.5	
	27.0'-33.5'	27.0'-33.5' Poorly graded sand, yellowish brown, 75% sand (very fine to very coarse), rounded to sub-rounded, quartz and feldspar grains, 15% silt, wet, no odor, no stain.		SP	13.8	

JOB NUMBER: 1205